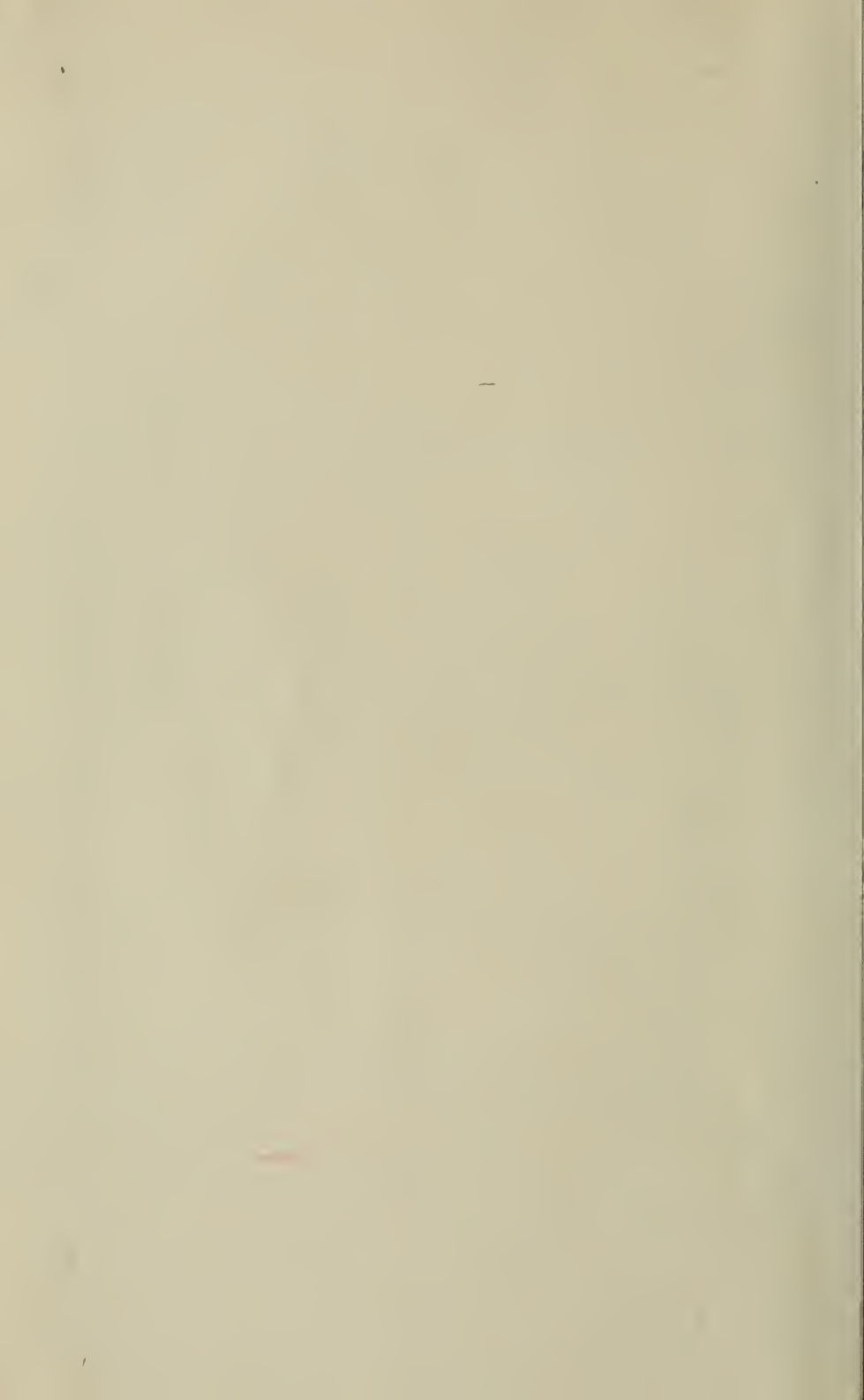


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BULLETIN OF DUKE UNIVERSITY

REPORT OF THE PRESIDENT
AND REPORTS OF OTHER OFFICERS

1939-1940



PUBLISHED BY THE UNIVERSITY
DURHAM, NORTH CAROLINA

V. 13
No. 5-C

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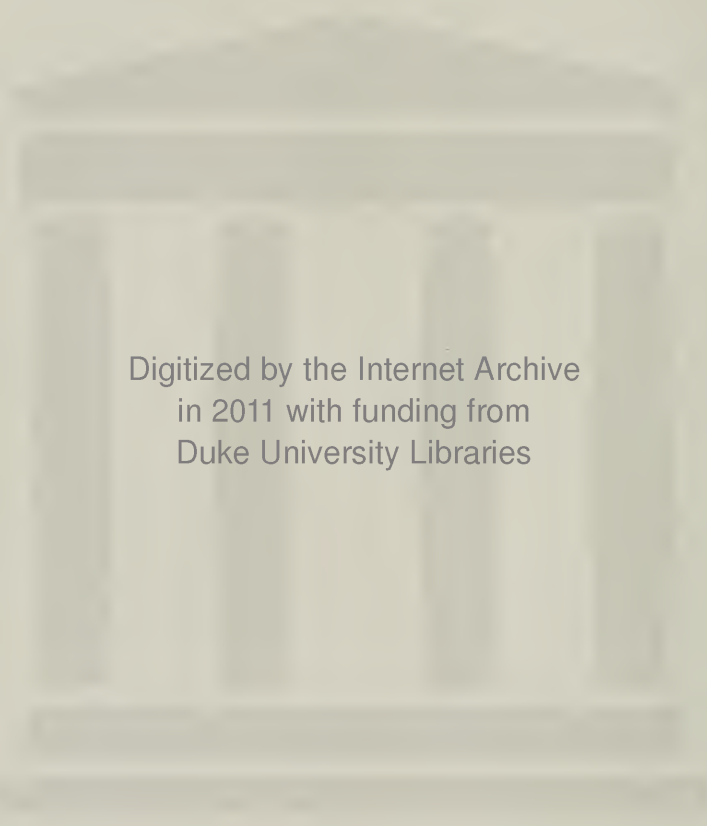


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TABLE OF CONTENTS

	PAGE
REPORT OF THE PRESIDENT OF DUKE UNIVERSITY TO THE BOARD OF TRUSTEES.....	7
REPORTS OF UNIVERSITY OFFICERS:	
Trinity College.....	11
The Woman's College.....	60
The College of Engineering.....	69
The Graduate School of Arts and Sciences.....	74
The School of Religion.....	76
The School of Law.....	84
The School of Medicine.....	87
The School of Forestry.....	150
The Summer School.....	163
The University Libraries.....	171
The Duke Chapel.....	184
The Department of Physical Education and Athletics.....	188
The University Press.....	194
The University Council on Research.....	196
Publications by Faculty Members.....	198
The Department of Public Relations and Alumni Affairs.....	225
INDEX	229

REPORT OF THE PRESIDENT
OF DUKE UNIVERSITY

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REPORT OF THE PRESIDENT OF DUKE UNIVERSITY

To the Trustees:

Reports of various officers of the University for the academic year 1939-40 are herewith submitted for the consideration of the Board of Trustees. In view of the fact that the matters discussed in these reports concern activities of the University for a period prior to my election as president, I feel that comment by me at this time is not pertinent or necessary. It is my intention to take up in the next annual report, to be published during the academic year 1941-42, certain matters concerning the present status and future development of the institution.

I do desire to record at this time, in behalf of myself and of the University constituency as a whole, our feeling of profound sorrow at the passing on October 16, 1940, of President William Preston Few. For many years he had served Trinity College and Duke University with signal ability and a spirit of deep devotion to their best interests, and much of any measure of success achieved in that period was due to his wise foresight, his appreciation of the really significant values in the realm of educational endeavor, and his constant desire to have the institution serve the highest causes of humanity.

First as professor of English in Trinity College, then as Dean and later President of the College and, finally, as the first President of Duke University, he made a significant contribution to this institution and to the cause of education generally. It is my purpose to speak here more particularly of his activities as President of the University.

When Mr. James B. Duke made possible, through the Indenture of Trust executed in 1924, the organization of Duke University on the foundation of Trinity College, which has continued and will continue as an integral and vital part of the institution, various problems of organization and assimilation had to be faced. First, there was the task of welding together the new and the old in the life of a constantly growing institution into one harmonious whole. The adjustment was not simple. An institution going back in its antecedents to old Union Institute, established in 1838, had developed worthy traditions and ideals which must be maintained in the new situation; there were certain prejudices which had to be overcome if the University was not to be hampered in its work. Other problems always associated with the merging of the old and the new had

to be faced. The zeal and at the same time the patience and the calm assurance with which President Few undertook the task and the degree of success attending his efforts in that direction are well known to you.

The matter of University organization, at all times a problem requiring the most careful thought and painstaking effort, was especially formidable in the early stages of the transition period. An enlarged faculty of eminent individuals known not only for their scholarly attainments and their teaching ability but alike for their capacity to exert the right kind of influence in the development of the students whom they were to teach had to be secured. There were some who feared that this process in itself would be attended by numerous difficulties. And so it was. Other problems of educational organization had to be solved in the earlier stages, and later. But through it all the first President of Duke University had faith in the ultimate success of the endeavor, and without transgressing the bounds of propriety it can be said, I think, that this faith has been justified by the results achieved by him and his associates thus far.

The development of Duke University during the past sixteen years, under the wise leadership of our lamented President, has been in line with the policies and ideals that have been paramount from the very beginning. There has been always in evidence the desire to make the institution not only a center of educational influence in the best sense but of service to the highest causes of humanity. To continue this effort in the same tradition will be the constant purpose of your present administration.

R. L. FLOWERS,
President.

April 10, 1941.

REPORTS OF UNIVERSITY OFFICERS

TRINITY COLLEGE

To the President of the University:

Reports to me of other members of the Dean's Staff give interesting information of the year under review and are herewith attached. I need not therefore make a lengthy report.

We are giving much thought to our curriculum, and a committee has been making for some time a careful study of the whole matter. It is not our intention to offer drastic changes, but rather in the light of our experience with our present set-up and with due consideration of the many studies already made here and elsewhere, to offer modifications in our four-year course of study, both of required and elective subjects, which we hope will be to the advantage of our students. I have been especially interested in the question of reducing the number of courses now required of Seniors and, possibly, of Juniors. The custom here and elsewhere of setting up groups of studies for students of vocations later to be followed calls for careful consideration. A word about this part of our curriculum is not out of place.

Some years ago colleges came to believe it helpful to set up groups of studies that seemed especially fitted to prepare students in a preliminary way for various vocations; and, consequently, there appeared in college bulletins a variety of groupings leading to the Bachelor's degree. Our groupings were made in the belief that it was in place to direct the attention of students to the importance of giving earnest thought to what they felt most inclined and best able to do after leaving college. In reality, there were no great differences in the half-dozen groups listed by us. Nevertheless, it is quite probable that we, like others, have seemed to be stressing in arts colleges too strongly vocational training, which, as a matter of fact, here we actually have not meant to offer except for future teachers. The medical schools years ago, when they became sufficiently organized to speak as a group, had much to say about premedical preparation and named a minimum of such work that all premedical students must have. Here and at other places the thought took hold that if this minimum was demanded, more was desirable and all the more helpful to future students of medicine. As a result of this reasoning, our premedical students, a rather large group, though necessarily limited by our committee on admissions, are being in a way almost forced to carry heavier courses in the natural sciences than may be good for them. Recently it has been emphatically stressed by the medical schools that they do not want so much specialized training for entrance into medical schools, but rather a broader and more human preparation, with only sufficient knowledge of the natural sciences to acquaint the students with the basic principles of scientific work and to awaken in them the spirit which comes from such work.

The schools of law do not attempt to say what college studies best fit students to take up the study of law. They, too, want a broad and

liberal training, and the development in the student of the ability to do intelligent and persistent mental work, which comes from carrying successfully a well set-up and directed college curriculum leading to the Bachelor of Arts degree. We feel deeply that both doctors and lawyers should be broadly, soundly, and liberally educated.

We have welcomed these suggestions from so high an authority as the Association of Medical Schools through their committees and officers. They urge colleges to cease stressing so-called premedical training for future doctors, and rather, while retaining a reasonable amount of the sciences in their work, to direct them to include in their college courses more of the old liberal arts work. So we are taking steps to carry out these suggestions, for they seem to us wise. And I believe we should restrict the amount of required pre-professional, or pre-vocational, work for all students who may have in mind one or another vocation. Ample elective instruction for upperclassmen will be available.

So there are hopeful signs that the college of liberal arts in its fundamental concept is regaining its rightful place in American education, a fact which is indeed encouraging. On such education of our youth the future of our country greatly depends, and will always depend. Such a realization entails a stunning responsibility on teachers and administrators of our American colleges of liberal arts.

Earnest and sincere persons who have given years to college administration and who get a fairly clear picture of college education in process find it hard at times not to despair over the evident wastage, the deplorable "lost motion" in the whole process. Outside critics and inside "green" enthusiastic reformers would revolutionize the whole thing about as an expert engineer would overhaul a big factory to produce perfect machines in the shortest possible time and at the least possible expense. But colleges are not working with inanimate metal, with things; they work with human souls, with personalities of a multitude of varieties. It is probably true, though, that difficult and infinite as is the job of the college, as heartening as is the recent approval of the liberal arts course by such authoritative bodies as the Association of Medical Schools, we are not succeeding in our avowed purpose to educate our students in a large proportion. I do believe that the great majority of students who complete the four-year course and are graduated will through life be quite different for the better from what they would have been without these years of study and guidance. There is consolation in this belief, but we should do better.

Why don't we? Well, I do not believe the colleges are using all the available means to do a better job. We seem to be influenced considerably by a sort of defeatism, the recognition of the near impossibility of success on a wider scale. It may be, too, that colleges unwisely feel secure in their sphere; they seldom have to fight for their existence, for the great public still believes in college education, though not well understood. And, too, many college teachers, I fear, look upon their jobs as entirely secure; it is so easy for them to come to do their part, the most important

in the whole scheme, in a perfunctory way. Some seem easily to sink to the level of "hewers of wood and drawers of water," to interpret their work as meeting classes, asking questions, grading answers, making assignments. The zeal to learn and impart knowledge, once fresh and inspiring, dwindles with the loss of their enthusiasm that is baffled probably by lack of deep conviction in the efficacy of knowledge either for themselves or their students. But the whole cherished ideal of college education is mainly in the hands and hearts and characters of the teachers. If all of them could only have more faith and enthusiasm along with scholarship, and more evident human interest in their students! I am happy in the knowledge that the great majority of our teachers meet the high demands of their calling. They keep up their devotion to study, their quickening "curiosity" to learn, and their saving realization of their obligation to their students. More power to them and may their tribe increase here and elsewhere!

W. H. WANNAMAKER,
Dean.

UNDERGRADUATE INSTRUCTION

SPECIAL STUDY OF THE CURRICULUM

During the past three years the Committee on Educational Research, in cooperation with a Special Committee appointed by the President of the University, has been studying the effect of the regulations governing the administration of the curriculum upon the work of undergraduate students. In the spring semester of 1939-40, the Committee on Educational Research submitted to the members of the Faculty Council a number of proposals involving changes in the present regulations and requested them to make suggestions with respect to the proposed changes. Approximately thirty members of the Council responded to this request with many helpful suggestions; and, on the basis of the studies made and the suggestions offered, the Committee on Educational Research will propose to the Faculty Council, during the fall semester of 1940-41, a plan for the revision of the present regulations.

THE GROUP SYSTEM

In reviewing the distribution of students by groups in Trinity College and the Woman's College for the year 1939-40, as shown in Table 2, one finds that 1,185 of the 2,444 students in the two colleges are enrolled in the General Group leading to the degree. If the number of students in the Premedical Group is added to the number in the General Group—the regulations for both groups being largely the same—the total number would be 1,529. The point is that, in spite of the maintenance of various groups (largely pre-vocational and pre-professional) leading to the degree, the students are more and more concentrating in the General Group, which is distinctively the liberal arts group.

Between 1900 and 1928 many liberal arts colleges revised their regulations governing the administration of the curriculum so as to em-

phasize the pre-professional and pre-vocational nature of the curricular offerings. They established groups leading to the liberal arts degree which were definitely pre-professional and pre-vocational in character. Only a very small number, however, of privately endowed universities have administered the curricula of their colleges in this manner. The establishment of these groups, together with the introduction of courses of training in skills and techniques, has served to create the impression that the liberal arts college had departed from its primary emphasis upon broad, general culture and had become more or less a trade school or a mere preparatory school for the professions.

This utilitarian movement has further led to the introduction of numerous courses that give expression to student craving for some fad of the hour—courses neither of content nor of method but only of opinion—so that this type of liberal arts college has lost its unity of aim and centrality of purpose.

It seems evident that Trinity College and the Woman's College would be materially strengthened and brought to greater centrality of purpose and unity of aim and direction if the group system that now prevails were abolished and for it were substituted a simpler plan of study for all students. It should be a plan that would correct the false assumptions on which the present regulations are based, stimulate the spirit of intellectual inquiry, fit the program of work to the student according to his interest, aptitude, and ability, and not the student to the program of work, recognize individual differences, and assist the student in making a coherent, unified program of work for the four college years.

The present arrangement gives unfortunate emphasis to the possible pre-professional character of all arts college subjects and, hence, tends to defeat the primary purpose of the liberal arts program.

The professional schools positively discourage specific group study for their applicants. The college preparation for the study of a profession should not be regarded as pre-professional or pre-anything, but as the culmination of general education. The objective of this preparation should be to acquaint the student with subjects in the several major fields of knowledge and aid him to attain a reasonable mastery of a special field of learning.

While various amounts of pre-vocational or pre-professional work, of skills and techniques are necessary for professional men and women, the college should urge students to give serious consideration to the value of a liberal education as a desirable objective within itself and to put the emphasis upon the development of genuine intellectual interests rather than upon the mere completion of isolated pre-vocational or pre-professional courses. Concentration in subjects for vocational and professional school preparation should be subordinated to the larger purpose of understanding the major conceptions of scientific and humanistic knowledge and of achieving a mastery, in some degree, of a special, well-integrated branch of learning.

COLLEGE TEACHING

During the year 1939-40, the Council on Undergraduate Teaching devoted its meetings to a discussion of the hindrances to good teaching and of the ways in which both Faculty and Administration might aid in the improvement of instruction. Papers were read and talks were made by several members of the Council. Dean Wannamaker spoke on the ideals and aims of college teaching, and President Few constantly emphasized the importance of good teaching.

The problem of good teaching, in its last analysis, has been described as the problem of (1) desiring good teachers, (2) discovering good teachers, (3) developing good teachers, (4) demanding good teachers, and (5) rewarding good teachers.

The average college is not created primarily for the advancement of knowledge, and research must be supplemental to the main aim; but every teacher of undergraduate students, whether or not he is engaged in scholarly research, should at least be alive to the discovery of new truth and thus help to create an atmosphere favorable to the cause of advancing knowledge. He should be able, by virtue of his knowledge of his subject and his spirit of inquiry and search after truth, to command the respect and to arouse the interest of his students.

Unfortunately, however, too many college teachers of undergraduates limit their responsibility solely to the teaching of a specific subject. They are not interested in students. They have no breadth of intellectual outlook. Some teachers of undergraduates know the subject but are not able to teach it. Many others (oftentimes men of great renown) who teach undergraduates are interested neither in teaching nor in students. Teachers belonging to any one of the three categories should not be employed to teach college students. Whatever justification there is in the widespread complaint of poor college teaching finds its basis largely in the fact that too many teachers of the above types are members of college faculties.

Every teacher of undergraduates should be equipped with general culture, breadth of intellectual outlook, rich experience, good judgment, sympathetic understanding, and a sound philosophy of life. The narrow specialist teaching college students is too often a flagrant example of instructional malpractice, because the primary business of a college teacher is to teach students, to know them individually, to stimulate their curiosity, to arouse their interest, to enlarge their vision, and to enrich their personalities.

It is difficult to maintain a great college within a university; yet a great college should be the heart and center of a great university. One reason for the difficulty is that too many teachers in a university cannot decide whether to put the major emphasis upon their teaching or upon scholarly research and publication. He is, indeed, a rare jewel in the university who can excel in both; and the usual result of indecision is mediocre performance both as scholar and teacher.

Everyone knows, of course, that there is no essential antagonism between engaging in a research project and doing a good job as a teacher. Frequently, the instructor is a better teacher because he has helped, in his field, to extend the bounds of knowledge. Many young teachers, however, who have the qualifications of a good teacher and would excel in teaching are prodded, in spite of a mild interest in research, either by cautious hints of departmental superiors or by the urge to "get ahead," to devote their energies to scholarly investigation and publication, whereas they should be encouraged to put the major emphasis in their work upon their teaching, confident that this will be recognized and rewarded.

Therefore, the confusion of the teacher, arising from his indecision as to where he should put the major emphasis, is not altogether the fault of the teacher. He desires to secure a just reward for his labor by means of advancement both in rank and salary. He cannot make a wise choice, both for himself and for his college, unless good teachers are rewarded equally with good scholars. Whenever a college gives substantial recognition to the teacher who possesses the important qualifications enumerated above, equally with that given to the scholar, it will have taken a long step toward solving the problem of good teaching.

COURSES OF STUDY

The two undergraduate colleges are experiencing an overenrichment of the college curriculum with a multiplicity of specialized departmental offerings. Several introductory courses seem to be taught for students who wish to take them as prerequisites to advanced courses and not for students who wish to take them as a part of their general education. In some departments, the course offerings are not properly distributed among the four categories described as Freshman, Sophomore, Junior-Senior, and Senior-Graduate courses. Too many courses, including specialized semester-courses, are offered to undergraduates. In the Fall Semester of 1939-40, 356 courses, including 716 sections, were given to 2,470 undergraduates and 296 graduates. At least one section of some course was given for approximately every four students registered in the Colleges or the Graduate School. Several general courses open to Sophomores or to Juniors and Seniors had an enrollment of six to ten students or eleven to twenty students. Fifty-four per cent of the classes taught last fall had an enrollment of twenty or less students, and 81 per cent had an enrollment of thirty or less. One hundred and ninety-nine sections of Freshman courses had an average enrollment of 25.5 students a section, while 145 sections of Junior-Senior courses had an average enrollment of 23.6 students a section. There might well be fewer courses or sections of courses of this sort with larger enrollments in order that Freshman courses might be taught in smaller classes, where smaller classes have a more definite relation to efficiency in instruction. Many Senior-Graduate courses are too specialized to be included in the college curriculum. The problem of general education for the college student cannot be solved alone by regulations governing the administration of the curriculum.

That depends also upon the character of departmental offerings. These regulations may involve for every student a wise distribution of studies among the major divisions of learning and a concentration of studies within a special field of knowledge; but the departmental course is, after all, the unit both of distribution and of concentration, and this unit should make its proper contribution to the solution of the problem of general education for the college student.

DISTRIBUTION OF STUDENTS BY DEPARTMENTS

In Table 1 is given the enrollment of students in the various departments for the year 1939-40.

TABLE 1
DISTRIBUTION OF STUDENTS BY DEPARTMENTS, YEAR 1939-40

Department	The Two Colleges			
	Without Duplicates		With Duplicates	
	Fall Semester	Spring Semester	Fall Semester	Spring Semester
Botany.....	255	258	281	283
Chemistry.....	598	534	717	612
Economics and Business Administration..	990	882	1,794	1,603
Education.....	406	460	504	553
Engineering (Civil).....	68	86	168	172
Engineering (Electrical).....	67	74	162	141
Engineering (Mechanical).....	183	165	353	356
English.....	1,742	1,617	2,272	1,930
Fine Arts.....	170	183	184	201
Forestry.....	32	34	126	115
Department.....	10}	16}	28}	26}
School.....	22}	18}	98}	89}
Geology.....	65	51	70	54
German.....	587	505	597	514
Greek.....	98	117	116	129
History.....	1,079	1,169	1,266	1,366
Latin.....	37	38	50	47
Mathematics.....	642	527	673	567
Music.....	94	64	100	80
Philosophy.....	218	325	268	369
Physical Education (Trinity College)....	969	998	1,147	998
Physical Education (Woman's College)...	780	728	790	740
Physics.....	425	397	446	421
Political Science.....	630	611	677	669
Psychology.....	262	166	312	216
Religion.....	808	854	1,247	1,261
Department.....	705}	759}	742}	816}
School.....	103}	95}	505}	445}
Romance Languages.....	1,377	1,161	1,412	1,234
French.....	843}	754}	912}	813}
Italian.....	9}	8}	9}	8}
Romance Literature.....	11}	16}	11}	17}
Spanish.....	474}	383}	480}	396}
Sociology.....	216	292	261	390
Zoology.....	487	383	558	446

DISTRIBUTION OF STUDENTS BY GROUPS

In Table 2 (A and B) is given the distribution of students by groups leading to the A.B. and B.S. degrees.

TABLE 2

A

DISTRIBUTION BY GROUPS—TRINITY COLLEGE
YEAR 1939-40

General (Bachelor of Arts).....	548
Pre-Medical	344
Business Administration.....	336
Engineering	206
Pre-Legal	206
Teaching	61
General (Bachelor of Science).....	25
Honors	22
Pre-Forestry	17
Academic Law	11
Religion	12
Special	9
<i>Total</i>	1,797

TABLE 2

B

DISTRIBUTION BY GROUPS—WOMAN'S COLLEGE
YEAR 1939-40

General (Bachelor of Arts).....	637
Public School Teaching.....	88
Pre-Medical	27
Social Service	27
Business Administration.....	24
Pre-Legal	15
General (Bachelor of Science).....	13
Honors	10
Bachelor of Science (Five-Year Course for Nurses).....	7
Religion	3
College Teaching	2
<i>Total</i>	853

GENERAL HONORS

Students of the Freshman, Sophomore, and Junior classes who earn a credit of thirty semester hours and an average of at least two and one-half quality-points per semester hour are given Honors for the year. Students at graduation who have earned an average of at least two and one-half quality-points per semester hour are recommended for a degree *magna cum laude*. Students at graduation who have earned an average of

at least two and three-fourths quality-points per semester hour are recommended for a degree *summa cum laude*.

Table 3 gives the distribution of students winning General Honors in the two Colleges.

TABLE 3

FRESHMAN HONORS

Trinity College	13	The Woman's College.....	7
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SOPHOMORE HONORS

Trinity College	13	The Woman's College.....	8
-----------------------	----	--------------------------	---

JUNIOR HONORS

Trinity College	16	The Woman's College.....	15
-----------------------	----	--------------------------	----

SENIOR HONORS

<i>Magna Cum Laude</i>		<i>Summa Cum Laude</i>	
Trinity College	3	Trinity College	3
The Woman's College.....	2	The Woman's College.....	1

DEPARTMENTAL HONORS

At the graduating exercises of the 1940 Commencement, Honors in Chemistry were awarded to two students; in Economics, to four; in English, to six; in History, to one; and in Political Science, to one.

Table 4 gives the distribution of students reading for Honors in the various departments.

TABLE 4

DEPARTMENTAL HONORS STUDENTS
YEAR 1939-40

<i>Department</i>	<i>Seniors</i>	<i>Juniors</i>	<i>Total</i>
Chemistry.....	2	5	7
Economics.....	4	2	6
English.....	6	9	15
History.....	1	..	1
Mathematics.....	..	1	1
Zoology.....	1	1	2
<i>Total</i>	14	18	32

THE DEAN'S LIST

In Table 5 is given a comparative statement of the Dean's List for 1938-39 and 1939-40.

TABLE 5
THE DEAN'S LIST
YEAR 1938-39

Fall, 1938	181
Men	96
Juniors	38
Seniors	58
Women	85
Juniors	32
Seniors	53
Spring, 1939	295
Men	142
Sophomores	54
Juniors	39
Seniors	49
Women	153
Sophomores	41
Juniors	42
Seniors	70
<i>Total for the Year</i>	476

YEAR 1939-40

Fall, 1939	177
Men	87
Juniors	52
Seniors	35
Women	90
Juniors	43
Seniors	47
Spring, 1940	309
Men	156
Sophomores	41
Juniors	53
Seniors	62
Women	153
Sophomores	28
Juniors	54
Seniors	71
<i>Total for the Year</i>	486

INSTRUCTION IN 1939-40

I am giving in Table 6 (A and B) the list of courses in each department, together with the instructor or instructors in each course, that were given during the year 1939-40. With each course is given also a statement of the number and classification of the students enrolled. The abbreviations used are as follows: Gr., Graduate; Sr., Senior; Jr., Junior; Soph., Sophomore; Fr., Freshman; Adv. Fr., Advanced Freshman; Sp., Special.

TABLE 6

A

CORRELATION OF COURSES IN DUKE UNIVERSITY

FALL SEMESTER, 1939-40

DEPARTMENT OF BOTANY

<i>Courses</i>	<i>Instructors</i>	<i>Fr.</i>	<i>Adv. Fr.</i>	<i>Soph.</i>	<i>Jr.</i>	<i>Sr.</i>	<i>Gr.</i>	<i>Sp.</i>	<i>Total</i>
1	Blomquist, Miss Addoms, Anderson, Johnston, Kramer, Perry.....	179	14	17	3	.....	.....	.....	213
2	Oosting.....	.....	6	5	.....	.....	.....	.....	11
51	Miss Addoms.....	.....	.....	2	.....	1	.....	.....	3
55	Oosting.....	.....	.....	.....	.....	1	.....	.....	1
103	Wolf.....	.....	1	.....	6	9	.....	.....	16
151	Kramer.....	.....	.....	.....	2	.....	1	.....	3
216	Anderson.....	.....	.....	.....	.....	.....	3	1	4
221	Wolf.....	.....	.....	.....	.....	.....	4	.....	4
225	Anderson, Kramer, Oosting, Perry, Wolf.....	.....	.....	.....	.....	.....	11	.....	11
359	Anderson, Kramer, Wolf.....	.....	.....	.....	.....	.....	5	.....	5
397	Blomquist, Miss Addoms, Anderson, Kramer, Oosting, Perry, Wolf.....	.....	.....	.....	.....	.....	10	.....	10
<i>Total</i>	.....	179	21	24	11	11	34	1	281

DEPARTMENT OF CHEMISTRY

1	Bradsher, Miss Brown, Hobbs, Hill, Wilson, Saylor.....	291	8	23	2	.....	.....	.....	324
61	Hobbs, Saylor, Vosburgh.....	9	23	93	17	.....	1	1	144
151	Bigelow, Bradsher, Miss Brown, Hauser.....	.....	1	16	61	3	1	.....	82
153	Miss Brown, Hauser, Vosburgh.....	.....	.....	.....	9	.....	.....	.....	9
173	Vosburgh.....	.....	.....	.....	7	4	.....	.....	11
231	Saylor, Vosburgh.....	.....	.....	.....	.....	4	14	.....	18
241	Miss Brown, Wilson.....	.....	.....	1	10	19	.....	.....	30
253	Bigelow, Miss Brown, Hauser.....	.....	.....	.....	.....	1	11	.....	12
261	Gross, Hobbs, Saylor.....	.....	.....	.....	1	17	4	.....	22
271	Gross, Bigelow, Vosburgh.....	.....	.....	.....	.....	.....	6	.....	6
273	Gross.....	.....	.....	.....	.....	.....	17	.....	17
275	Gross, Bigelow, Bradsher, Hobbs, Hill, Hauser, London, Saylor, Vosburgh.....	.....	.....	.....	.....	4	21	.....	25
351	Bigelow.....	.....	.....	.....	.....	.....	4	.....	4
363	Gross, Hobbs, Hill, Saylor, Vosburgh.....	.....	.....	.....	.....	.....	8	.....	8
367	London.....	.....	.....	.....	.....	.....	5	.....	5
<i>Total</i>	.....	300	32	133	107	52	92	1	717

DEPARTMENT OF ECONOMICS AND BUSINESS ADMINISTRATION

11	Lemert, Whitman.....	87	1	.....	.....	.....	.....	.....	88
51	Berry, Delaplane, Eiteman, Landon, Smith, Welfling, Whitman.....	.....	117	249	33	10	.....	3	412
57	Black, deVyver, Havens, Keech, Shields, Spengler.....	.....	64	146	23	5	.....	1	239
103	Landon.....	.....	2	4	21	2	.....	.....	29

DEPARTMENT OF ECONOMICS AND BUSINESS ADMINISTRATION (Continued)

<i>Courses</i>	<i>Instructors</i>	<i>Fr.</i>	<i>Adv. Fr.</i>	<i>Soph.</i>	<i>Jr.</i>	<i>Sr.</i>	<i>Gr.</i>	<i>Sp.</i>	<i>Total</i>
105	Keech.....		3	15	48	14	.....	.....	80
107	Lemert.....			10	11	7	.....	.....	28
115	Lemert.....			2	10	3	.....	1	16
138	Berry, Smith.....		2	13	24	8	.....	.....	47
143	Delaplane, Eiteman, Ratchford.....		4	38	114	14	2	1	173
169	Smith.....			7	19	12	.....	.....	38
171	Shields.....		2	14	46	5	1	.....	68
173	Black.....				2	16	.....	.....	18
175	Black.....				4	11	.....	.....	15
177	Shields.....				1	24	1	.....	26
181	Springer.....			6	31	95	.....	2	134
187	Ratchford.....			4	17	3	1	.....	25
203	Glasson, Ratchford, Wellfing.....				26	91	2	1	120
217	Spengler.....				5	23	1	.....	29
231	Hamilton.....					21	6	.....	27
237	Springer.....				2	4	3	.....	9
239	Hamilton.....					5	4	.....	9
241	Spengler.....				2	1	7	1	11
245	von Beckerath.....				2	9	2	.....	13
253	deVyver.....				17	61	.....	.....	78
265	von Beckerath.....				4	13	2	.....	19
311	Hamilton.....						8	.....	8
313	Hoover.....						4	.....	4
315	Hoover.....						12	.....	12
318	Hoover.....						10	.....	10
Honors	deVyver.....				2	1	.....	.....	3
Theses	Hamilton.....						6	.....	6
<i>Total</i>	.....	87	195	508	464	458	72	10	1,794

DEPARTMENT OF EDUCATION

1	Watson.....	109	.....	.....	.....	.....	.....	.....	109
8	Childs, Doty, Easley, Ostwalt.....	62	14	28	.....	.....	.....	.....	104
58	Easley.....		1	8	11	3	.....	1	24
83	Proctor.....		8	16	9	4	.....	.....	37
101	Carr.....		1	2	9	5	.....	.....	17
103	Proctor.....		8	9	11	.....	.....	.....	28
104	Scates.....			1	7	2	.....	1	11
105	Childs.....		1	1	4	1	.....	1	8
115	Childs.....				9	28	.....	3	40
118	Brownell.....			6	9	4	.....	.....	19
131	Carr.....				3	5	.....	.....	8
142	Carr.....		1	7	16	1	.....	.....	25
203	Proctor.....					3	3	.....	6
209	Scates.....				1	1	8	.....	10
217	Easley.....					1	8	.....	9
219	Brownell.....						8	.....	8
233	Proctor.....					5	3	.....	8
237	Carr.....						6	.....	6
294	Carr.....				1	3	4	.....	8
307	Easley.....						9	.....	9
Theses	Brownell, Proctor.....						10	.....	10
<i>Total</i>	.....	171	34	78	90	66	59	6	504

DEPARTMENT OF ENGINEERING (CIVIL)

<i>Courses</i>	<i>Instructors</i>	<i>Fr.</i>	<i>Adv. Fr.</i>	<i>Soph.</i>	<i>Jr.</i>	<i>Sr.</i>	<i>Gr.</i>	<i>Sp.</i>	<i>Total</i>
7	Bird, Watson.....		6	18					24
11	Williams.....		5	5	1	1			12
15	Hall.....		7	7	1	7			22
107	Bird, Williams.....		8	12	30	5			55
113	Watson.....		4	2	3	1			10
119	Watson.....			1	2	3			6
123	Hall.....			1	2	3			6
131	Bird.....		2	3	3	1			9
133	Bird.....			1	2	3			6
137	Watson.....		2	3	4	3			12
143	Watson.....			1	2	3			6
<i>Total</i>			34	54	50	30			168

DEPARTMENT OF ENGINEERING (ELECTRICAL)

7	Kraybill.....		2	15					17
51	Meier.....		2	15					17
108	Kraybill.....		1		12				13
151	Vail.....		1		13	1			15
153	Meier, Vail.....		5	7	15				27
155	Meier.....				1	7			8
159	Seeley.....				1	7			8
161	Seeley.....		1		13	1			15
163	Meier.....				1	7			8
165	Vail.....				1	7			8
257	Meier.....				1	7			8
261	Seeley.....				1	7			8
263	Seeley.....					7			7
265	Seeley.....					3			3
<i>Total</i>			12	37	59	54			162

DEPARTMENT OF ENGINEERING (MECHANICAL)

1	Pigage.....	67	3	4	1				75
7	Pigage.....		5	13					18
79	Chapman.....		9	26	4	1			40
82	Chapman.....		4	5	4				13
85	Pigage.....		1	16	1				18
107	Reed.....		2	2	6				10
171	Reed.....			2	1	11			14
173	Wilbur, Pigage.....			3	1	11			15
175	Chapman.....					2			2
181	Reed.....		1		13	1			15
185	Wilbur, Chapman.....		3	6	15				24
187	Wilbur, Theiss.....		3	5	15				23
189	Theiss.....		3	5	15				23
191	Wilbur.....		1	3	1	11			16
193	Theiss.....		1	3	1	11		1	17
195	Reed.....		1	3	1	10			15
199	Theiss.....		1		13	1			15
<i>Total</i>		67	38	96	92	59		1	353

DEPARTMENT OF ENGLISH

<i>Courses</i>	<i>Instructors</i>	<i>Fr.</i>	<i>Adv. Fr.</i>	<i>Soph.</i>	<i>Jr.</i>	<i>Sr.</i>	<i>Gr.</i>	<i>Sp.</i>	<i>Total</i>
1	Allen, Anderson, Blackburn, Brice, Carpenter, Fitzgerald, Harwell, Martin, Patton, Miss Poteat, Sanders, Sugden, Mrs. Vance, Mrs. White.....	733	3	2	.....	.....	.....	1	739
A1	Patton.....	17	.....	.....	.....	.....	.....	.....	17
E1	Carpenter, Fitzgerald, Martin.....	66	.....	.....	.....	.....	.....	.....	66
2	Ward.....	1	36	9	.....	.....	.....	.....	46
53	Jordan.....	.....	65	48	2	.....	.....	2	117
55	Blackburn, Irving, Miss Poteat, Sanders, Sugden, Mrs. Vance, Ward.....	.....	44	216	18	6	.....	2	286
63	Mitchell.....	.....	9	39	4	1	.....	1	54
65	Sanders.....	1	3	11	.....	.....	.....	.....	15
101	Mitchell.....	.....	1	6	1	2	.....	.....	10
103	Blackburn.....	.....	1	5	1	3	.....	.....	10
105	West.....	.....	.....	3	3	.....	.....	.....	6
107	Sugden.....	.....	2	12	2	.....	.....	.....	16
119	West.....	.....	3	6	25	46	.....	.....	80
121	West.....	.....	.....	4	4	.....	.....	.....	8
123	Brown.....	.....	.....	9	10	9	.....	.....	28
125	White, Mrs. White.....	.....	4	31	20	1	1	.....	57
127	Greene.....	.....	.....	7	10	6	.....	.....	23
129	Mitchell, Mrs. Vance.....	.....	2	9	42	32	.....	.....	85
133	White.....	.....	.....	1	3	.....	.....	.....	4
137	Anderson, Gohdes.....	.....	1	5	59	16	.....	.....	81
139	West.....	.....	.....	1	12	26	.....	.....	39
147	Anderson.....	.....	.....	1	24	5	.....	.....	30
151	Herring, Lewis.....	.....	11	44	78	28	.....	.....	161
157	Mrs. White.....	.....	.....	.....	14	35	.....	1	50
161	Greene.....	.....	.....	.....	1	6	.....	.....	7
201	Brown.....	.....	.....	.....	.....	.....	4	.....	4
203	Baum.....	.....	.....	.....	.....	6	22	.....	28
211	Allen.....	.....	.....	.....	.....	.....	3	.....	3
215	Allen.....	.....	.....	.....	2	9	9	.....	20
225	Baum.....	.....	.....	.....	.....	1	7	.....	8
229	Hubbell.....	.....	.....	.....	.....	.....	10	.....	10
231	Gohdes.....	.....	.....	.....	.....	1	4	.....	5
233	Gohdes.....	.....	.....	.....	1	7	13	.....	21
313	White.....	.....	.....	.....	.....	.....	16	.....	16
315	Baum.....	.....	.....	.....	.....	.....	4	.....	4
349	Brown, Hubbell, Irving.....	.....	.....	.....	.....	.....	24	.....	24
Remedial	Fitzgerald, Harwell.....	76	.....	.....	.....	.....	.....	.....	76
Honors	Blackburn, Irving, Ward.....	.....	.....	.....	11	7	.....	.....	18
<i>Total</i>	.....	894	179	432	368	274	117	8	2,272

DEPARTMENT OF FINE ARTS

1	McDonald.....	46	.....	.....	.....	.....	.....	.....	46
51	Miss Hall.....	1	12	48	8	6	.....	.....	75
52	McDonald.....	.....	1	.....	.....	2	.....	.....	3
53	Miss Sunderland.....	.....	1	5	4	1	.....	.....	11
101	McDonald.....	.....	.....	1	.....	4	.....	.....	5

DEPARTMENT OF FINE ARTS (*Continued*)

<i>Courses</i>	<i>Instructors</i>	<i>Fr.</i>	<i>Adv. Fr.</i>	<i>Soph.</i>	<i>Jr.</i>	<i>Sr.</i>	<i>Gr.</i>	<i>Sp.</i>	<i>Total</i>
105	Miss Hall.....	.....	.....	.....	4	4	.....	.....	8
107	Miss Sunderland.....	.....	.....	4	7	6	.....	.....	17
109	Miss Sunderland.....	.....	.....	4	8	7	.....	.....	19
<i>Total</i> ..	.....	47	14	62	31	30	.....	.....	184

DEPARTMENT OF FORESTRY

211	Wackerman.....	.....	.....	.....	1	2	.....	.....	3
251	Schumacher.....	.....	.....	.....	1	2	.....	.....	3
253	Harrar.....	.....	.....	.....	1	2	.....	.....	3
257	Schumacher.....	.....	.....	.....	.....	.....	2	.....	2
259	Harrar.....	.....	.....	.....	1	2	.....	.....	3
261	Coile.....	.....	.....	.....	1	2	3	.....	6
273	Thomson.....	.....	.....	.....	1	2	.....	.....	3
279	Thomson.....	.....	.....	.....	1	.....	.....	.....	1
357	Beal, Coile.....	.....	.....	.....	.....	.....	2	.....	2
Theses	Beal, Harrar.....	.....	.....	.....	.....	.....	2	.....	2
<i>Total</i> ..	.....	.....	.....	.....	7	12	9	.....	28*

*Exclusive of the students in the School of Forestry.

DEPARTMENT OF GEOLOGY

51	Berry.....	.....	.....	31	18	12	.....	1	62
101	Berry.....	.....	.....	.....	2	2	.....	.....	4
151	Berry.....	.....	.....	.....	.....	4	.....	.....	4
<i>Total</i> ..	.....	.....	.....	31	20	18	.....	1	70

DEPARTMENT OF GERMAN

1	Krummel, Maxwell, Shears, Wilson, Young.....	145	9	40	7	.....	.....	.....	202
3	Krummel, Maxwell, Shears, Wilson, Young.....	39	25	85	16	.....	.....	1	166
51	Vollmer.....	6	1	14	2	.....	.....	.....	23
101	Maxwell.....	.....	.....	1	7	5	2	.....	15
103	Wilson.....	.....	.....	.....	1	5	.....	.....	6
107	Maxwell, Wannamaker.....	2	2	22	63	15	.....	.....	104
111	Wilson.....	.....	.....	3	6	3	.....	.....	12
115	Krummel.....	1	.....	1	11	2	.....	.....	15
119	Vollmer.....	.....	.....	.....	5	16	.....	.....	21
125	Shears.....	.....	.....	.....	11	3	.....	.....	14
201	Krummel.....	.....	.....	2	2	4	4	.....	12
207	Vollmer.....	.....	.....	.....	.....	5	1	.....	6
301	Vollmer.....	.....	.....	.....	.....	.....	1	.....	1
<i>Total</i> ..	.....	193	37	168	131	58	9	1	597

REPORT OF THE PRESIDENT

DEPARTMENT OF GREEK

<i>Courses</i>	<i>Instructors</i>	<i>Fr.</i>	<i>Adv. Fr.</i>	<i>Soph.</i>	<i>Jr.</i>	<i>Sr.</i>	<i>Gr.</i>	<i>Sp.</i>	<i>Total</i>
1	Truesdale.....	6		1	1				8
53	Truesdale.....			3		1			4
101	Peppler.....		1			1			2
107	Way.....	1					1		2
115	Truesdale.....						8		8
121	Peppler.....			3	20	32			55
131	Way.....		1			2			3
141	Way.....		2	1	5	4			12
203	Truesdale.....						6		6
247	Way.....					1	4		5
303	Peppler.....						7		7
Theses	Peppler.....						4		4
<i>Total</i>		7	4	8	26	41	30		116

DEPARTMENT OF HISTORY

1	Miss Chaffin, Ferguson, Manchester, Parker, Mrs. Quynn, Ropp.....	330							1	331
2	Hamilton.....	34								34
51	Miss Baldwin, Ropp, Watson.....		26	50	34	6				116
52	Munyan.....		21	29	14	6				70
61	Ropp.....		7	28	8	8				51
91	Robert, Still, Watson.....		49	112	45	28		2		236
101	Mrs. Quynn.....			1	16	5				22
105	Hamilton.....			13	38	4				55
107	Munyan.....			1	2					3
119	Robert.....			2	6	4		1		13
123	Laprade.....			8	29	28				65
127	Lanning.....			7	16	15				38
135	Carroll.....		1	4	6	12				23
141	Clyde.....			3	6	3				12
153	Sydnor.....			6	5	4		1		16
211	Manchester.....					21	1	1		23
215	Clyde.....				1	7	11			19
219	Carroll.....				2	1	14			17
220	Mrs. Quynn.....					1	1			2
233	Lanning.....				3	10	6			19
263	Woody.....				3	12	2			17
265	Still.....				4	15	4			23
304	Woody.....						4			4
305	Laprade.....						6			6
315	Sydnor.....						17			17
317	Carroll.....						2			2
321	Lanning.....						6			6
327	Laprade.....						6			6
336	Sydnor.....						14			14
343	Clyde.....						4			4
Honors	Laprade, Lanning.....					2				2
<i>Total</i>		364	104	264	238	192	98	6		1,266

DEPARTMENT OF LATIN

<i>Courses</i>	<i>Instructors</i>	<i>Fr.</i>	<i>Adv. Fr.</i>	<i>Soph.</i>	<i>Jr.</i>	<i>Sr.</i>	<i>Gr.</i>	<i>Sp.</i>	<i>Total</i>
1	Rose.....	4							4
3	Rose.....	3		1					4
41	Gates, Rose.....	5	1		1				7
57	Rose.....	5	1	1	1	1			9
65	Rose.....	3							3
107	Gates.....			3			1		4
131	Rogers.....			1	2	2		2	7
207	Rosborough.....						2		2
209	Rosborough.....						2		2
211	Rogers.....						2	1	3
343	Rogers.....						2		2
351	Rosborough.....						3		3
<i>Total</i>		20	2	6	4	3	12	3	50

DEPARTMENT OF MATHEMATICS

1	Gergen, Aldridge, Wilbert, Wade.....	75	9	4	1		1		90
3	Boas, Hickson, Martin, Miles, Rand, Rankin.....	96	5	4	2				107
7	Gergen, Boas, Elliott, Greenwood, Martin, Miles, Patterson, Roberts.....	161	1	16	1				179
8	Civin.....		3	4	2				9
9	Greenwood, Hickson, Patterson, Rankin.....	67							67
50	Carlitz.....	5	7	3	5				20
51	Elliott.....	1	1	16	1		1		20
59	Miles, Patterson, Roberts.....		10	43			1		54
71	Hickson.....		1	13	12	2		1	29
100	Rankin.....		3	5	10	1		1	20
131	Miles.....		1		13				14
139	Elliott.....				7	4	1		12
161	Elliott, Hickson.....				2				2
225	Thomas.....				2		2		4
227	Carlitz.....					2	7		9
271	Roberts.....						6		6
275	Boas.....				1	1	5		7
291	Gergen.....						7		7
337	Thomas.....						5		5
371	Roberts.....						1		1
Theses	Gergen, Boas, Carlitz, Roberts.....						11		11
<i>Total</i>		405	41	108	59	10	47	3	673

DEPARTMENT OF MUSIC

11	Bruinsma, Miss Wilkinson.....	10	11	13	2			1	37
81	Broadhead.....	17	3	15	7	5			47
111	Bruinsma.....			2	2	3			7
121	Bruinsma.....				1	1			2
131	Miss Wilkinson.....			1	1	1			3
197	Broadhead.....			2		2			4
<i>Total</i>		27	14	33	13	12		1	100

DEPARTMENT OF PHILOSOPHY

<i>Courses</i>	<i>Instructors</i>	<i>Fr.</i>	<i>Adv. Fr.</i>	<i>Soph.</i>	<i>Jr.</i>	<i>Sr.</i>	<i>Gr.</i>	<i>Sp.</i>	<i>Total</i>
98	Morgan.....		5	30	11	3			49
101	Widgery, Mrs. Gilbert.....		1	16	38	34			89
105	McLarty.....				6	9			15
119	McLarty.....			2	20	11			33
121	McLarty.....				5	3			8
203	Morgan.....				3	5	4		12
209	Widgery.....					3	19		22
213	Mrs. Gilbert.....				2	8	5		15
231	Leonard.....					1	1		2
241	Leonard.....						3		3
301	Widgery.....						9		9
305	Mrs. Gilbert.....						3		3
307	Morgan.....						3		3
Theses	Widgery, Dubs, Morgan.....						5		5
<i>Total</i>			6	48	85	77	52		268

DEPARTMENT OF PHYSICAL EDUCATION (MEN)

1	Clark, Gerard, Persons.....	31	16	45	3	4			99
3	Warren.....	24	6	27	5				62
5	Aycock.....	23							23
7	Aycock, Fogleman, Gerard, Persons, Smith.....	55	19	28	5	4			111
11	Gerard, Persons.....	29	5	20	2				56
13	Persons.....	88	4	23	8	1			124
15	Clark, Gerard, Smith, Warren.....	60	10	24	6	6			106
17	Fogleman, Gerard.....	137	17	45	4	2			205
19	Aycock.....	9	1	4		1			15
21	Lewis.....	20	6	10	4	1			41
25	Warren.....	2	2	1		1			6
27	Aycock.....	2	2	2					6
35	Fearing.....	17	6	14		2			33
37	Caldwell.....	43							49
41	Lewis.....	34							34
55	Aycock.....		8	5	2	4			19
59	Coombs.....		8	6					14
61	Crichton.....		6	12	2	4			24
65	Aycock.....		15	6					21
75	Lewis.....		4	6	1	1			12
87	Hagler.....		19	12	6				37
91	Lewis.....		2	9	2				13
93	Gerard.....		3	10	1	1			15
163	Coombs.....		6	7	1				14
182	Gerard.....		2		6				8
<i>Total</i>		574	167	316	58	32			1,147

DEPARTMENT OF PHYSICAL EDUCATION (WOMEN)

							<i>Nur- ses</i>	
Badminton...	Mrs. Bookhout, Miss Dowling, Miss Lewis.....	17	3	34	20		1	75
Golf.....	Miss Dowling.....	15	3	21	23	1		63
Hockey.....	Mrs. Bookhout.....	37	5	30	13		1	86

DEPARTMENT OF PHYSICAL EDUCATION (WOMEN) (Continued)

<i>Courses</i>	<i>Instructors</i>	<i>Fr.</i>	<i>Adv. Fr.</i>	<i>Soph.</i>	<i>Jr.</i>	<i>Sr.</i>	<i>Gr.</i>	<i>Nur- ses</i>	<i>Total</i>
Light Sports..	Miss Lewis.....	4	.....	2	2	.....	.....	.....	8
Riding.....	Miss Grout, Miss Dowling, Miss Lewis, Miss Wyche.....	30	6	14	10	.....	.....	.....	45
Soccer.....	Miss Lewis.....	2	4	12	11	1	.....	.....	30
Swimming....	Mrs. Bookhout, Miss Dowling, Miss Lewis, Miss Wyche.....	49	8	11	8	1	.....	54	131
Tennis.....	Miss Grout, Mrs. Bookhout, Miss Lewis, Miss Wyche.....	80	9	45	32	5	.....	1	172
Volley Ball...	Miss Grout, Miss Dowling, Miss Lewis.....	18	6	63	47	4	.....	.....	138
41	Miss Wyche.....	17	2	.....	.....	.....	.....	.....	19
185	Miss Grout.....	.....	1	1	6	.....	.....	.....	8
<i>Total</i>.....	.....	269	47	233	172	12	.....	57	790

DEPARTMENT OF PHYSICS

1	Carpenter, Edwards, Hatley, Hebb.....	91	10	23	5	.....	.....	.....	129
17	Bonner, Hebb, Mouzon.....	65	2	.....	.....	.....	.....	.....	67
51	Bonner, Carpenter, Hatley.....	4	15	59	31	2	1	.....	112
57	Bonner, Hatley, Hebb, Mouzon.....	.....	9	40	.....	.....	.....	.....	49
59	Nielsen.....	.....	.....	1	9	3	.....	.....	13
61	Carpenter.....	1	1	1	1	1	.....	.....	5
65	Edwards.....	.....	.....	2	4	1	.....	.....	7
103	Constant.....	.....	.....	1	2	.....	.....	.....	3
203	Hebb.....	.....	.....	.....	1	.....	4	.....	5
211	Edwards.....	.....	.....	.....	.....	3	.....	.....	3
213	Constant.....	.....	.....	.....	.....	1	8	.....	9
215	Nielsen.....	.....	.....	.....	.....	3	.....	.....	3
219	Mouzon.....	.....	.....	1	.....	1	2	.....	4
221	Constant.....	.....	.....	.....	.....	.....	10	.....	10
315	Nordheim.....	.....	.....	.....	.....	.....	7	.....	7
323	Miss Sponer.....	.....	.....	.....	.....	.....	9	.....	9
351	Bonner, Miss Sponer.....	.....	.....	.....	.....	.....	2	.....	2
353	Nielsen, Constant, Mouzon, Nordheim.....	.....	.....	.....	.....	.....	9	.....	9
<i>Total</i>.....	.....	161	37	128	53	15	52	.....	446

DEPARTMENT OF POLITICAL SCIENCE

21	Gibson, Stern.....	105	.....	.....	.....	.....	.....	.....	105
61	Cole, Gibson, Linebarger, Rankin, Ship- man, Simpson.....	.....	92	231	67	16	.....	1	407
111	Linebarger.....	.....	.....	2	14	2	.....	.....	18
125	Cole.....	.....	.....	4	7	1	.....	.....	12
141	Shipman.....	.....	.....	2	13	5	.....	.....	20
207	Wilson.....	.....	.....	.....	1	9	4	.....	14
209	Rankin.....	.....	.....	.....	3	6	2	.....	11
211	Linebarger.....	.....	.....	1	.....	.....	6	.....	7
223	Wilson.....	.....	.....	.....	.....	1	4	.....	5
225	Cole.....	.....	.....	.....	2	3	14	.....	19
227	Wilson.....	.....	.....	.....	.....	8	7	.....	15

DEPARTMENT OF POLITICAL SCIENCE (*Continued*)

<i>Courses</i>	<i>Instructors</i>	<i>Fr.</i>	<i>Adv. Fr.</i>	<i>Soph.</i>	<i>Jr.</i>	<i>Sr.</i>	<i>Gr.</i>	<i>Sp.</i>	<i>Total</i>
241	Shipman.....				2	2	6		10
271	von Beckerath.....				1	2	5		8
291	Rankin.....				3	12	5		20
Honors	Linebarger.....					6			6
<i>Total</i>		105	92	240	113	73	53	1	677

DEPARTMENT OF PSYCHOLOGY

101	Lundholm, Muenzinger, Pratt.....			21	129	39		2	191
115	Adams.....			1	7	8			16
207	Zener.....					1	8		9
209	Zener.....						7		7
213	Muenzinger.....					4	16		20
223	Lundholm.....				6	27	12	2	47
231	Zener.....					1			1
303	Rhine.....						3		3
307	Rhine.....						9		9
315	Adams.....						9		9
<i>Total</i>				22	142	80	64	4	312

DEPARTMENT OF RELIGION

1	Myers, Colloms, Crum, Ormond, Outler, Mrs. Spence.....	261							261
51	Outler, Petry, Spence, Mrs. Spence.....		46	79	6				131
101	Ormond.....		4	9	19	15			47
103	Myers.....		1	7	19	6			33
105	Rowe.....		1	5	19	4			29
163	Mrs. Spence.....			2	11	9			22
167	Spence.....		3	4	8	38			53
169	Crum.....		2	10	41	12			65
181	Cannon.....				31	16			47
201	Stinespring.....							1	1
213	Branscomb.....				1	2			3
217	Branscomb.....						1		1
219	Myers.....				3	3			6
261	Smith.....					2	2		4
263	Spence.....			1	1	1			3
265	Spence.....				5	8			13
281	Cannon.....						1		1
307	Stinespring.....						1		1
309	Stinespring.....						2		2
311	Clark.....						1		1
315	Clark.....						2		2
323	Outler.....						4		4
331	Petry.....						1		1
363	Smith.....						6		6
365	Smith.....						3		3
375	Hickman.....						2		2
<i>Total</i>		261	57	117	164	116	26	1	742

DEPARTMENT OF ROMANCE LANGUAGES
FRENCH

<i>Courses</i>	<i>Instructors</i>	<i>Fr.</i>	<i>Adv. Fr.</i>	<i>Soph.</i>	<i>Jr.</i>	<i>Sr.</i>	<i>Gr.</i>	<i>Sp.</i>	<i>Total</i>
1	Webb, Bridgers, Dow, Quynn	65	20	19	3	1	.....	.....	108
3	Cowper, Davis, Dow, Mrs. Dow, Jordan, Quynn, Miss Raymond, Walton, Young	235	21	45	15	3	.....	.....	319
51	Bridgers, Cowper, Davis, Dow, Jordan, Quynn, Miss Raymond, Young	27	41	166	43	11	1	.....	289
55	Mrs. Dow	1	2	24	6	2	.....	.....	35
57	Webb, Walton	24	2	16	.....	.....	.....	.....	42
87	Davis .....	.....	1	2	4	1	.....	.....	8
107	Cowper, Miss Raymond .....	.....	.....	10	23	2	.....	.....	35
111	Young .....	.....	.....	4	15	8	.....	.....	27
115	Bridgers .....	.....	.....	5	14	.....	.....	.....	19
127	Mrs. Dow .....	.....	.....	.....	1	3	.....	.....	4
213	Walton .....	.....	.....	.....	2	.....	4	.....	6
215	Jordan .....	.....	.....	.....	1	8	1	.....	10
217	Webb .....	.....	.....	.....	.....	2	.....	.....	2
317	Cowper .....	.....	.....	.....	.....	.....	4	.....	4
323	Jordan .....	.....	.....	.....	.....	.....	4	.....	4
<i>Total</i>	.....	352	87	291	127	41	14	.....	912

ITALIAN

181	Webb .....	.....	.....	.....	7	2	.....	.....	9
<i>Total</i>	.....	.....	.....	.....	7	2	.....	.....	9

ROMANCE LITERATURE

191	Hasbrouck .....	.....	.....	.....	2	9	.....	.....	11
<i>Total</i>	.....	.....	.....	.....	2	9	.....	.....	11

SPANISH

1	Davis, Dow, Hasbrouck, Reid, Singer, Young	149	27	49	7	1	.....	.....	233
3	Bridgers, Hasbrouck, Lundeborg, Quynn, Reid	31	13	63	21	1	.....	.....	129
65	Hasbrouck, Lundeborg, Reid	6	5	26	46	12	.....	.....	95
155	Reid .....	.....	1	1	5	2	.....	.....	9
253	Lundeborg .....	.....	.....	.....	3	2	4	.....	9
265	Lundeborg .....	.....	.....	.....	.....	4	1	.....	5
<i>Total</i>	.....	186	46	139	82	22	5	.....	480

SUMMARY FOR THE DEPARTMENT OF ROMANCE LANGUAGES

<i>Courses</i>	<i>Instructors</i>	<i>Fr.</i>	<i>Adv. Fr.</i>	<i>Soph.</i>	<i>Jr.</i>	<i>Sr.</i>	<i>Gr.</i>	<i>Sp.</i>	<i>Total</i>
French.....		352	87	291	127	41	14	.....	912
Italian.....					7	2	.....		9
Romance Literature.....					2	9	.....		11
Spanish.....		186	46	139	82	22	5	.....	480
<i>Total.....</i>		538	133	430	218	74	19	.....	1,412

DEPARTMENT OF SOCIOLOGY

91	Jensen.....	1	3	54	21	6	.....	1	86
101	Ellwood.....		2	8	28	20	.....		58
111	Jensen.....			2	13	8	.....		23
114	Thompson.....			1	7	3	.....		11
205	Jensen.....				5	11	5	1	22
219	Thompson.....				2	12	2	1	17
231	Hart.....				1	5	4	.....	10
233	Hart.....				1	4	7	.....	12
317	Hart.....						1	.....	1
319	Ellwood.....						8	.....	8
330	Ellwood, Jensen.....						4	.....	4
331	Hart.....						1	.....	1
340	Thompson.....						3	.....	3
350	Jensen.....						2	.....	2
421	Hart.....						3	.....	3
<i>Total.....</i>		1	5	65	78	69	40	3	261

DEPARTMENT OF ZOOLOGY

1	Bookhout, Miss Culbreth, Miss Jeffers, Johnson, Tucker, Wharton.....	268	19	33	5	1	.....	1	327
53	Miss Culbreth, Gray, Tucker, Wharton.....		8	37	50	6	1	1	103
109	Johnson.....		1			5	1	.....	7
151	Hall.....			1	10	20	.....		31
161	Pearse.....			1	4	13	4	.....	22
219	Pearse, Gray, Hall, Hargitt, Johnson.....					3	3	.....	6
229	Cunningham.....					9	2	.....	11
307	Pearse.....						7	.....	7
321	Hall.....						6	.....	6
327	Cunningham.....						4	.....	4
343	Hargitt.....						3	.....	3
351	Pearse, Bookhout, Miss Culbreth, Cun- ningham, Gray, Hall, Hargitt, Miss Jeffers, Johnson, Tucker, Wharton.....						15	.....	15
353	Pearse, Hall, Hargitt.....						9	.....	9
355e	Pearse.....						6	.....	6
Honors	Hargitt.....					1	.....		1
<i>Total.....</i>		268	28	72	69	58	61	2	558

TABLE 6

B

CORRELATION OF COURSES IN DUKE UNIVERSITY

SPRING SEMESTER, 1939-40

DEPARTMENT OF BOTANY

<i>Courses</i>	<i>Instructors</i>	<i>Fr.</i>	<i>Adv. Fr.</i>	<i>Soph.</i>	<i>Jr.</i>	<i>Sr.</i>	<i>Gr.</i>	<i>Sp.</i>	<i>Total</i>
1	Kramer.....	21	1	2	.....	.....	.....	.....	24
2	Miss Addoms, Anderson, Johnson, Oosting, Perry.....	159	4	24	2	.....	.....	.....	189
52	Blomquist.....	.....	.....	4	.....	.....	.....	.....	4
103	Wolf.....	.....	.....	5	9	7	.....	.....	21
104	Anderson.....	.....	.....	.....	1	2	.....	.....	3
156	Oosting.....	.....	.....	.....	2	1	.....	.....	3
204	Miss Addoms.....	.....	.....	.....	.....	.....	4	.....	4
224	Wolf.....	.....	.....	.....	1	3	2	.....	6
226	Blomquist, Anderson, Kramer, Oosting.....	.....	.....	.....	.....	.....	6	.....	6
256	Oosting.....	.....	.....	.....	.....	.....	1	.....	1
310	Blomquist.....	.....	.....	.....	.....	.....	4	.....	4
341	Kramer.....	.....	.....	.....	.....	.....	2	.....	2
360	Anderson, Kramer, Oosting, Wolf.....	.....	.....	.....	.....	.....	6	.....	6
398	Blomquist, Miss Addoms, Anderson, Kramer, Oosting, Perry, Wolf.....	.....	.....	.....	.....	.....	10	.....	10
<i>Total</i>	.....	180	5	35	15	13	35	.....	283

DEPARTMENT OF CHEMISTRY

2	Bigelow, Miss Brown, Bradsher, Hill, Hobbs, Saylor, Wilson.....	240	2	33	4	.....	.....	.....	279
70	Hobbs, Saylor, Vosburgh.....	7	1	79	20	2	1	1	111
152	Bigelow, Bradsher, Miss Brown, Hauser.....	.....	.....	7	52	6	.....	.....	65
154	Miss Brown, Hauser, Vosburgh.....	.....	.....	.....	8	1	.....	.....	9
174	Vosburgh.....	.....	.....	.....	9	4	.....	.....	13
232	Saylor, Vosburgh.....	.....	.....	.....	.....	4	14	.....	18
242	Miss Brown, Wilson.....	.....	.....	.....	6	24	.....	.....	30
254	Gross, Bigelow, Miss Brown, Hauser.....	.....	.....	.....	.....	.....	10	.....	10
262	Hobbs, Saylor.....	.....	.....	.....	1	13	4	.....	18
274	Gross.....	.....	.....	.....	.....	.....	18	.....	18
276	Gross, Bigelow, Bradsher, Hauser, Hill, Hobbs, London, Saylor, Vosburgh.....	.....	.....	.....	.....	6	19	.....	25
352	Bigelow.....	.....	.....	.....	.....	.....	4	.....	4
364	Gross, Hill, Hobbs, Saylor, Vosburgh.....	.....	.....	.....	.....	.....	8	.....	8
368	London.....	.....	.....	.....	.....	.....	4	.....	4
<i>Total</i>	.....	247	3	119	100	60	82	1	612

DEPARTMENT OF ECONOMICS AND BUSINESS ADMINISTRATION

11	Lemert.....	67	.....	.....	.....	.....	.....	1	68
51	Berry.....	.....	3	11	2	.....	.....	.....	16
52	Berry, Delaplane, Eiteman, Landon, Smith, Spengler, Welfling, Whitman.....	.....	17	309	35	12	.....	1	374
58	Black, deVyver, Havens, Keech, Shields.....	.....	11	131	21	7	.....	1	171

DEPARTMENT OF ECONOMICS AND BUSINESS ADMINISTRATION (*Continued*)

<i>Courses</i>	<i>Instructors</i>	<i>Fr.</i>	<i>Adv. Fr.</i>	<i>Soph.</i>	<i>Jr.</i>	<i>Sr.</i>	<i>Gr.</i>	<i>Sp.</i>	<i>Total</i>
116	Lemert.....			3	7	3			13
118	Lemert.....				22	5			27
138	Berry, Smith.....			8	44	7			59
143	Ratchford.....			7	21	3			31
144	Delaplane, Eiteman.....			5	85	16		1	107
158	Keech.....		1	5	76	24			106
168	Landon.....			2	29	12			43
172	Shields.....			1	55	9	1		66
174	Black.....				2	16			18
176	Black.....				4	9			13
178	Shields.....				1	7			8
182	Springer.....			1	14	115		1	131
184	Black.....					7			7
204	Glasson, Ratchford, Welfing.....				8	106	2	1	117
218	Spengler.....				3	28	1		32
230	Ratchford.....				1	6	1		8
232	Hamilton.....					28	4		32
238	Springer.....				1	5	2		8
242	Spengler.....					2	8		10
246	von Beckerath.....					10	2		12
256	deVyver.....				8	68			76
266	Smith.....					6	3		9
268	von Beckerath.....					12			12
312	Hamilton.....						8		8
314	Hoover.....						3		3
316	Hoover.....						10		10
Honors	deVyver, Welfing.....				2	6			8
<i>Total</i>		67	32	483	441	529	45	6	1,603

DEPARTMENT OF EDUCATION

1	Watson.....	44	1						45
4	Ostwalt, Scates.....	53	5	30					88
8	Childs, Doty, Ostwalt, Watson.....	66	8	29	1			1	105
54	Holton.....		2	2	9	4			17
58	Easley.....			8	8	2	1	1	20
68	Easley.....		4	13	25	5		2	49
83	Proctor.....		1	10	22	4			37
103	Proctor.....		2	7	34	6		2	51
112-122	Carr.....					8			8
116	Childs.....				2	30	1		33
212	Carr.....						1		1
214	Holton.....				1	7	1		9
216	Childs.....				1	7	4		12
218	Brownell.....				1	4	9		14
232	Carr.....					1	1		2
234	Proctor.....				4	15	1		20
239	Scates.....						1		1
247	Brownell.....						6	1	7
258	Scates.....						7		7
307	Easley.....						9		9
310	Brownell.....						2		2

DEPARTMENT OF EDUCATION (Continued)

<i>Courses</i>	<i>Instructors</i>	<i>Fr.</i>	<i>Adv. Fr.</i>	<i>Soph.</i>	<i>Jr.</i>	<i>Sr.</i>	<i>Gr.</i>	<i>Sp.</i>	<i>Total</i>
363	Proctor.....						7	1	8
Theses	Brownell, Carr, Proctor.....						8		8
<i>Total</i>		163	23	99	108	93	59	8	553

DEPARTMENT OF ENGINEERING (CIVIL)

8	Williams.....			7	1				8
107	Bird, Williams.....		1		32	1			34
108	Hall.....				7				7
112	Bird.....				1	7			8
114	Watson.....				6				6
117	Watson.....			8	2				10
118	Williams.....			8	2				10
120	Watson.....				1	5			6
124	Hall.....				1	5			6
132	Bird.....				6	2			8
134	Bird.....				1	5			6
138	Watson.....				6	5			11
144	Watson.....				1	5			6
C.A.A.	Bird.....							46	46
<i>Total</i>			1	23	67	35		46	172

DEPARTMENT OF ENGINEERING (ELECTRICAL)

7	Graybill.....			9					9
52	Meier.....			15	1				16
151A	Seeley.....				13				13
152	Meier.....				13	1			14
154	Kraybill, Vail.....		1		30	2			33
156	Kraybill.....					2			2
158	Vail.....					8			8
162	Seeley.....			1	14				15
166	Vail.....					8			8
258	Meier.....					8			8
262	Seeley.....					8			8
264	Seeley.....					7			7
<i>Total</i>			1	25	71	44			141

DEPARTMENT OF ENGINEERING (MECHANICAL)

2	Pigage.....	58		6	2		1		67
82	Chapman, Pigage, Reid.....			55	1				56
86	Chapman, Pigage, Theiss.....	5		30	4				39
170	Chapman, Reid.....				18	2			20
174	Wilbur.....				4	11			15
176	Chapman, Reid.....					9			9
182	Reid.....				11	1			12
186	Wilbur.....		1		19				20

DEPARTMENT OF ENGINEERING (MECHANICAL) (Continued)

<i>Courses</i>	<i>Instructors</i>	<i>Fr.</i>	<i>Adv. Fr.</i>	<i>Soph.</i>	<i>Jr.</i>	<i>Sr.</i>	<i>Gr.</i>	<i>Sp.</i>	<i>Total</i>
188	Wilbur, Theiss.....		1	.....	20	.....			21
190	Theiss.....		1	.....	19	.....			20
192	Pigage.....				4	12			16
194	Theiss.....				4	12			16
196	Reid.....				4	11			15
198	Chapman.....				4	11			15
200	Theiss.....				14	1			15
<i>Total</i>	.....	63	3	91	128	70	1	.....	356

DEPARTMENT OF ENGLISH

1	Fitzgerald, Harwell.....	91	.....	.....	1	.....			92
2	Allen, Anderson, Blackburn, Carpenter, Dowling, Fitzgerald, Harwell, Martin, Miss Poteat, Sanders, Sugden, Mrs. Vance, Ward, Mrs. White.....	675	4	4	1	.....			684
53	Jordan.....		4	13	3	.....			20
54	Jordan.....		2	10	1	1	.....		14
56	Blackburn, Irving, Miss Poteat, Sanders, Sugden, Mrs. Vance, Ward.....	1	11	216	23	8	.....	1	260
64	Mitchell.....		4	45	9	1	.....	1	60
66	Sanders.....	1	2	9	.....				12
102	Mitchell.....		1	4	2	7	.....		14
104	Blackburn.....			7	1	3	.....		11
106	West.....			1	3	1	.....		5
108	Sugden.....			2	10	6	.....		18
120	West.....			3	14	72	.....		89
122	West.....		1	3	3	1	.....		8
124	Brown.....			1	16	6	.....		23
126	White, Mrs. White.....			5	27	25	1	.....	58
128	Greene.....			2	16	14	.....		32
130	Mitchell, Mrs. Vance.....			1	53	50	.....		104
134	White.....			2	1	.....			3
138	Anderson, Gohdes.....			3	48	15	.....		66
139	West.....				5	31	.....		36
142	Jordan.....					9	.....	1	10
148	Anderson.....				18	6	.....		24
152	Herring, Lewis.....		2	33	59	17	.....		111
158	Mrs. White.....				2	34	.....	1	37
162	Greene.....					5	.....		5
201	Brown.....						5	.....	5
204	Baum.....					2	15	.....	17
216	Allen.....				2	7	10	.....	19
221	Ward.....					4	6	.....	10
226	Baum.....						4	.....	4
230	Anderson.....						7	.....	7
234	Gohdes.....					8	8	.....	16
270	Hubbell.....						5	.....	5
314	White.....						16	.....	16
316	Baum.....						2	.....	2
350	Brown, Hubbell, Irving.....						17	.....	17
Honors	Blackburn, Irving, Ward.....				10	6	.....		16
<i>Total</i>	.....	768	31	364	328	339	96	4	1,930

DEPARTMENT OF FINE ARTS

<i>Courses</i>	<i>Instructors</i>	<i>Fr.</i>	<i>Adv. Fr.</i>	<i>Soph.</i>	<i>Jr.</i>	<i>Sr.</i>	<i>Gr.</i>	<i>Sp.</i>	<i>Total</i>
2	Miss Hall	41			1				42
51	Miss Hall				1	1			2
52	McDonald	1	3	54	16	9			83
54	Miss Sunderland			5	3	2			10
92	McDonald			7	7	5			19
106	Miss Hall			1	7	8			16
110	Miss Sunderland			6	12	11			29
<i>Total</i>		42	3	73	47	36			201

DEPARTMENT OF FORESTRY

52	Thomson			1	1	4			6
212	Wackerman					3			3
232	Beal					3	1		4
252	Schumacher					2			2
264	Korstian					3			3
276	Thomson				1	1			2
358	Beal, Coile, Harrar, Schumacher						5		5
Theses.	Beal						1		1
<i>Total</i>				1	2	16	7		26*

*Exclusive of students in the School of Forestry.

DEPARTMENT OF GEOLOGY

52	Berry					1			1
102	Berry				2	2			4
152	Berry			19	16	12		2	49
<i>Total</i>				19	18	15		2	54

DEPARTMENT OF GERMAN

2	Krummel, Maxwell, Shears, Wilson, Young	119	4	38	8			1	170
4	Krummel, Maxwell, Shears, Wilson, Young	36	4	92	18				150
52	Vollmer	5		11	3				19
102	Maxwell				6	6	2		14
104	Wilson	1				5			6
108	Maxwell, Wannamaker	1		13	57	15			86
112	Wilson				8	2			10
116	Krummel			1	10				11
120	Vollmer			1	3	17			21
126	Shears				2	7			9
202	Krummel			2	1	4	4		11
208	Vollmer					5	1		6
302	Vollmer						1		1
<i>Total</i>		162	8	158	116	61	8	1	514

REPORT OF THE PRESIDENT

DEPARTMENT OF GREEK

<i>Courses</i>	<i>Instructors</i>	<i>Fr.</i>	<i>Adv. Fr.</i>	<i>Soph.</i>	<i>Jr.</i>	<i>Sr.</i>	<i>Gr.</i>	<i>Sp.</i>	<i>Total</i>
2	Truesdale.....	6		1				1	8
54	Truesdale.....			3		1		1	5
106	Truesdale.....					1			1
108	Way.....	1							1
116	Way.....						8		8
122	Peppler.....		1	1	30	38			70
142	Way.....				10	5			15
204	Truesdale.....						6		6
248	Way.....					1	4		5
304	Peppler.....						7		7
Theses	Peppler.....						3		3
<i>Total</i>		7	1	5	40	46	28	2	129

DEPARTMENT OF HISTORY

1	Carroll, Clyde, Hamilton.....	67							7
2	Miss Chaffin, Ferguson, Manchester, Parker, Mrs. Quynn, Ropp.....	351						1	352
51	Munyan.....	9	38	14	3				64
52	Miss Baldwin, Ropp, Watson.....	5	67	38	7				117
62	Ropp.....		30	8	14				52
92	Robert, Still, Watson.....	1	19	140	71	31		1	263
102	Mrs. Quynn.....		1	15	6				22
106	Hamilton.....			45	10				55
108	Munyan.....		1	2	1				4
114	Lanning.....		3	26	12				41
120	Robert.....		1	3	7				11
124	Laprade.....				28	32			60
130	Manchester.....		1	10	3				14
136	Carroll.....		2	34	26				62
142	Clyde.....				11	4			15
154	Sydnor.....			2	6	8			16
216	Clyde.....					8	11		19
220	Carroll.....				1	2	10		13
224	Mrs. Quynn.....					1	1		2
234	Lanning.....				2	14	7	1	24
264	Woody.....				2	13	1		16
266	Still.....					20	3	3	26
304	Woody.....						4		4
305	Laprade.....						4		4
315	Sydnor.....						15		15
318	Carroll.....						2		2
321	Lanning.....						6		6
327	Laprade.....						4		4
336	Sydnor.....						12		12
343	Clyde.....						3		3
Honors	Laprade.....					1			1
<i>Total</i>		419	33	286	316	223	83	6	1,366

DEPARTMENT OF LATIN

<i>Courses</i>	<i>Instructors</i>	<i>Fr.</i>	<i>Adv. Fr.</i>	<i>Soph.</i>	<i>Jr.</i>	<i>Sr.</i>	<i>Gr.</i>	<i>Sp.</i>	<i>Total</i>
2	Rose.....	3		1					4
4	Rose.....	7		1					8
42	Gates, Rose.....	5			1				6
58	Rose.....	5	1						6
66	Rose.....	3							3
108	Gates.....			4	1		1		6
132	Rogers.....				1	2			3
208	Rosborough.....						2		2
210	Rosborough.....						2		2
212	Rogers.....						2		2
344	Rogers.....						2		2
352	Rosborough.....						3		3
<i>Total</i>	.....	23	1	6	3	2	12		47

DEPARTMENT OF MATHEMATICS

1	Aldridge, Civin.....	29	2	5			1		37
2	Gilbert, Wade.....	26	1	3					30
3	Gergen.....	18		1					19
4	Boas, Hickson, Martin, Miles, Rankin...	81	1	6	5				93
8	Gergen, Boas, Elliott, Hickson, Martin, Miles, Patterson.....	104		15	1				120
10	Greenwood, Patterson, Rankin.....	53							53
50	Gergen, Elliott, Hickson.....	35		8	5				48
51	Carlitz.....	6		9	4				19
52	Elliott.....	1		14	3				18
60	Miles, Patterson, Roberts.....			48	2			1	51
76	Hickson.....			2	5				7
131	Miles.....			2	5				7
140	Elliott.....				6	4	1		11
162	Hickson.....				1				1
204	Rankin.....			1	4	1			6
228	Carlitz.....						7		7
272	Roberts.....						6		6
284	Thomas.....				1	2	7		10
292	Boas.....						6		6
338	Thomas.....						4		4
372	Roberts.....						1		1
Theses	Gergen, Boas, Carlitz, Roberts.....						13		13
<i>Total</i>	.....	353	4	114	42	7	46	1	567

DEPARTMENT OF MUSIC

12	Bruinsma, Miss Wilkinson.....	9	4	9	6				28
82	Broadhead.....	7	1	16	4	4			32
112	Bruinsma.....			2	2	2			6
122	Bruinsma.....				1	1			2

DEPARTMENT OF MUSIC (*Continued*)

<i>Courses</i>	<i>Instructors</i>	<i>Fr.</i>	<i>Adv. Fr.</i>	<i>Soph.</i>	<i>Jr.</i>	<i>Sr.</i>	<i>Gr.</i>	<i>Sp.</i>	<i>Total</i>
132	Miss Wilkinson.....			3	3	1			7
198	Broadhead.....			1	1	3			5
<i>Total</i>		16	5	31	17	11			80

DEPARTMENT OF PHILOSOPHY

48	Leonard.....	32	2	15	3				52
98	Mrs. Gilbert.....		4	14	25	3			46
101	McLarty.....		3	24	32	3			62
106	Widgery, McLarty.....			10	43	34			87
108	McLarty.....				5	3			8
112	Morgan.....			14	8	2			24
114	Mrs. Gilbert.....				6	2			8
204	Smith.....				1	9	2		12
210	Widgery.....					3	13		16
214	Mrs. Gilbert.....				2	7	4		13
226	Morgan.....				1	4	2		7
236	Dubs.....				3	2	2		7
242	Leonard.....				1	2	1		4
244	Morgan.....				1	1			2
302	Widgery.....						8		8
310	Leonard.....						6		6
311	Dubs.....						4		4
322	Smith.....						3		3
<i>Total</i>		32	9	77	131	75	45		369

DEPARTMENT OF PHYSICAL EDUCATION (MEN)

2	Caldwell, Clark, Gerard.....	45	2	14	5	2			68
4	Warren.....	4		4					8
6	Aycock.....	10							10
8	Aycock, Clark, Gerard, Stanley.....	57		18	5	4			84
10	Clark, Gerard, Lewis, Persons.....	58	4	85	4	2			153
14	Persons.....	66	1	19	3	1			90
18	Fogleman, Gerard.....	87	4	25	1	4			121
22	Lewis.....	6		14	2	1			23
26	Warren.....	10		7	1	1			19
28	Aycock.....	3		6					9
30	Caldwell.....	37							37
34	Warren.....	12							12
38	Hagler.....	34							34
42	Persons.....	23							23
44	Fogleman.....	6		1					7
46	Lewis.....	31							31
50	Persons.....	7							7
56	Aycock.....			4	4	2			10
62	Crichton, Hagler.....	1	2	54	7	9			73
70	Persons.....			16	10	4			30
80	Coombs.....		1	13	2	1			17

DEPARTMENT OF PHYSICAL EDUCATION (MEN) (Continued)

<i>Courses</i>	<i>Instructors</i>	<i>Fr.</i>	<i>Adv. Fr.</i>	<i>Soph.</i>	<i>Jr.</i>	<i>Sr.</i>	<i>Gr.</i>	<i>Sp.</i>	<i>Total</i>
84	Warren.....			6					6
88	Hagler.....		1	22	3				26
90	Hagler.....			2	1				3
92	Fogleman.....			6					6
94	Persons.....		1	13	3	5			22
96	Lewis.....		1	19	2	2			24
132	Aycock.....			2	2	2			6
164	Stanley.....		2	6	8	3			19
172	Gerard.....		1	12	4	3			20
Freshman Hygiene	Aycock.....	526							526
<i>Total</i>		497	20	368	67	46			998

DEPARTMENT OF PHYSICAL EDUCATION (WOMEN)

Archery....	Miss Grout, Miss Rogers, Miss Wyche.	39	8	31	39	2			119
Badminton..	Miss Dowling, Miss Lewis, Miss Rogers.....	15	3	33	21			1	73
Dancing....	Miss Lewis.....	1	2	10	3				16
Fencing....	Miss Lewis.....	3		5	7				15
Golf.....	Miss Dowling.....	35	3	29	25	1			93
Riding....	Miss Grout, Miss Lewis, Miss Wyche..	19	4	9	3				35
Softball....	Miss Rogers, Miss Wyche.....	15	5	22	18	2			62
Swimming..	Miss Dowling, Miss Lewis, Miss Rogers, Miss Wyche.....	61	8	33	21	2			125
Tennis.....	Miss Grout, Miss Dowling, Miss Lewis, Miss Rogers, Miss Wyche.....	71	8	49	30				158
42	Miss Wyche.....	23		4					27
102	Miss Grout.....			2	12	3			17
<i>Total</i>		282	41	227	179	10		1	740

DEPARTMENT OF PHYSICS

2	Carpenter, Edwards, Hatley, Hebb.....	80		26	10		1		117
17	Mouzon.....	16							16
18	Bonner, Hebb, Mouzon.....	41		5					46
52	Nielsen, Bonner, Carpenter, Hatley.....	4	1	55	31	3			94
58	Bonner, Mouzon, Hatley, Hebb.....			48	3	1			52
60	Nielsen.....			1	8	2			11
62	Carpenter.....			3					3
66	Edwards.....			2	2	1			5
104	Constant, Mouzon.....				15	1			16
106	Bonner.....			1	4	4			9
204	Hebb.....				1		4		5
214	Constant.....					1	7		8
216	Nielsen.....					2	1		3
222	Constant.....						11		11
316	Nordheim.....						6		6

DEPARTMENT OF PHYSICS (*Continued*)

<i>Courses</i>	<i>Instructors</i>	<i>Fr.</i>	<i>Adv. Fr.</i>	<i>Soph.</i>	<i>Jr.</i>	<i>Sr.</i>	<i>Gr.</i>	<i>Sp.</i>	<i>Total</i>
324	Sponer.....						8		8
352	Hebb, Nordheim.....						3		3
354	Nielsen, Constant, Mouzon, Nordheim, Sponer.....						8		8
<i>Total</i>		141	1	141	74	15	49		412

DEPARTMENT OF POLITICAL SCIENCE

22	Gibson, Simpson.....	139							139
62	Cole, Gibson, Linebarger, Rankin, Shipman, Simpson.....		12	258	99	18		1	388
174	von Beckerath.....			1	27	1			29
214	Linebarger.....					2	2		4
224	Linebarger.....				3	1	7		11
226	Cole.....					4	11		15
228	Shipman.....					6	6		12
230	Rankin.....				3	11	2		16
242	Shipman.....					5	6		11
244	Shipman.....					7	9		16
292	Rankin.....				2	15	5		22
326	Cole.....						3		3
Honors	Cole.....				2	1			3
<i>Total</i>		139	12	259	136	71	51	1	669

DEPARTMENT OF PSYCHOLOGY

101	Muenzinger.....			15	41	12			68
104	Adams.....				3	3			6
110	Zener.....				20	5			25
114	Rhine.....			2	28	15			45
202	Lundholm.....				1	3	7		11
208	Muenzinger.....				2		5		7
232	Rhine, Zener.....					2			2
302	Lundholm.....						12		12
304	Adams, Rhine, Zener.....						4		4
306	Adams.....						9		9
310	Zener.....						10		10
316	Muenzinger.....						6		6
Theses	Rhine, Zener.....						11		11
<i>Total</i>				17	95	40	64		216

DEPARTMENT OF RELIGION

2	Myers, Colloms, Crum, Ormond, Outler, Mrs. Spence.....	310							310
52	Myers, Outler, Petry, Spence, Mrs. Spence.....	1	16	96	4	1			118
102	Ormond.....			3	41	14			58

DEPARTMENT OF RELIGION (*Continued*)

<i>Courses</i>	<i>Instructors</i>	<i>Fr.</i>	<i>Adv. Fr.</i>	<i>Soph.</i>	<i>Jr.</i>	<i>Sr.</i>	<i>Gr.</i>	<i>Sp.</i>	<i>Total</i>
106	Rowe.....			1	32	9			42
115	Myers.....			2	32	18			52
170	Crum.....				38	47			85
182	Cannon.....				40	11			51
204	Stinespring.....							1	1
214	Clark.....					1			1
218	Clark.....						2		2
234	Garber.....					2			2
262	Spence.....					5	1		6
268	Spence.....				4	18			22
270	Spence.....				7	39			46
284	Cannon.....						1		1
302	Stinespring.....						2		2
304	Stinespring.....						1	1	2
312	Russell.....						2		2
324	Outler.....						4		4
364	Smith.....						4		4
366	Smith.....						4		4
432	Petry.....						1		1
<i>Total</i>		311	16	102	198	165	22	2	816

DEPARTMENT OF ROMANCE LANGUAGES

FRENCH

2	Webb, Bridgers, Dow, Quynn.....	55	3	30	3	1			92
4	Davis, Dow, Mrs. Dow, Jordan, Quynn, Miss Raymond, Singer, Walton, Young.	215	11	44	18	4			292
52	Bridgers, Davis, Dow, Jordan, Quynn, Miss Raymond, Walton, Young.....	27	6	170	42	12			257
56	Mrs. Dow.....			8	7	4			19
58	Webb, Walton.....	24		17	1				42
88	Davis.....			1	5	1			7
108	Miss Raymond.....			4	15	1			20
112	Young.....			2	19	6			27
116	Bridgers.....			2	15	2			19
128	Mrs. Dow.....			1	9	1			11
214	Walton.....				3		4		7
216	Jordan.....				1	6	3		10
218	Webb.....				1	4	1		6
324	Jordan.....						4		4
<i>Total</i>		321	20	279	139	42	12		813

ITALIAN

182	Webb.....				7	1			8
<i>Total</i>					7	1			8

ROMANCE LITERATURE

<i>Courses</i>	<i>Instructors</i>	<i>Fr.</i>	<i>Adv. Fr.</i>	<i>Soph.</i>	<i>Jr.</i>	<i>Sr.</i>	<i>Gr.</i>	<i>Sp.</i>	<i>Total</i>
192	Hasbrouck.....				5	12			17
<i>Total</i>					5	12			17

SPANISH

2	Davis, Dow, Hasbrouck, Reid, Singer, Young.....	107	3	58	9	3			180
4	Bridgers, Hasbrouck, Lundeborg, Quynn, Reid.....	24	3	51	29	1			108
66	Hasbrouck, Lundeborg.....	5		19	46	16			86
156	Reid.....			1	6	1			8
254	Reid.....				2	5			7
266	Lundeborg.....				1	3	3		7
<i>Total</i>		136	6	129	93	29	3		396

SUMMARY FOR THE DEPARTMENT OF ROMANCE LANGUAGES

French.....	321	20	279	139	42	12		813
Italian.....				7	1			8
Romance Literature.....				5	12			17
Spanish.....	136	6	129	93	29	3		396
<i>Total</i>	457	26	408	244	84	15		1,234

DEPARTMENT OF SOCIOLOGY

92	Jensen.....			47	25	7		79
102	Ellwood.....			3	16	5	1	25
114	Thompson.....			1	24	8		33
206	Jensen.....				9	14	1	24
220	Thompson.....				4	12	2	19
232	Hart.....				3	5	2	10
234	Hart.....				3	13	25	41
242	Groves.....				3	127	7	137
318	Hart.....						4	4
320	Ellwood.....						6	6
322	Jensen.....						4	4
330	Ellwood, Hart, Jensen.....						5	5
422	Hart.....						3	3
<i>Total</i>				51	87	191	60	390

DEPARTMENT OF ZOOLOGY

<i>Courses</i>	<i>Instructors</i>	<i>Fr.</i>	<i>Adv. Fr.</i>	<i>Soph.</i>	<i>Jr.</i>	<i>Sr.</i>	<i>Gr.</i>	<i>Sp.</i>	<i>Total</i>
2	Bookhout, Miss Culbreth, Gray, Miss Jeffers, Tucker, Wharton.....	220	7	36	9				272
92	Cunningham, Miss Jeffers, Johnson.....			23	32	4	1		60
110	Johnson.....				4	7	2		13
151	Miss Culbreth.....			2	8	1	1		12
156	Hargitt.....				2	14	2		18
174	Bookhout.....			1	1	2	2		6
220	Pearse, Bookhout, Cunningham, Gray, Hall.....					6			6
222	Gray.....					2	3		5
256	Hall.....				1	11			12
324	Hall.....						5		5
352	Pearse, Bookhout, Miss Culbreth, Cun- ningham, Gray, Hall, Hargitt, Miss Jeffers, Johnson, Tucker, Wharton.....						15		15
354	Pearse, Cunningham, Gray, Hall, Hargitt.....						13		13
356	Pearse, Bookhout.....						5		5
Honors	Cunningham.....					1			1
Theses	Hall.....						3		3
<i>Total</i>		220	7	62	57	48	52		446

ADMISSIONS TO TRINITY COLLEGE AND THE COLLEGE OF ENGINEERING 1939-40

From a total of approximately 1,800 applications, 581 Freshmen and 83 transfer students were enrolled. Of these numbers, 504 Freshmen and 80 transfers were admitted to Trinity College and 77 Freshmen and 6 transfers to the College of Engineering. From high schools 465 first-year men were admitted, and from preparatory schools 116 were accepted. First-year men represent thirty-six states, the District of Columbia, and two foreign countries. Table 7 gives the number admitted from each state.

It should be noted that our quota was selected from the largest number of applicants in our history. Results of placement and ability tests cause us to feel that the Class of 1943 should rank well with previous classes.

The Committee on Admissions is following carefully the selective policy of admissions outlined in previous reports. The number of interviews held with applicants is increasing yearly. Many of these interviews are held here; others are conducted by alumni in the vicinity of the applicants' homes. We are especially grateful to our alumni who have rendered valuable assistance in interviewing applicants and making reports to the Committee.

TABLE 7
GEOGRAPHICAL DISTRIBUTION—FRESHMEN
1939-40

<i>State</i>		<i>State</i>	
Alabama	2	Montana	1
California	3	Nebraska	1
China	1	New Hampshire	2
Connecticut	13	New Jersey	55
Delaware	6	New York	83
District of Columbia.....	13	North Carolina	138
Florida	19	Ohio	40
Georgia	4	Oklahoma	3
Illinois	15	Pennsylvania	57
Indiana	7	Puerto Rico	1
Iowa	1	Rhode Island	3
Kentucky	3	South Carolina	10
Louisiana	1	Tennessee	7
Maine	2	Texas	4
Maryland	18	Vermont	3
Massachusetts	18	Virginia	18
Michigan	12	Washington	1
Minnesota	2	West Virginia	8
Mississippi	1	Wisconsin	3
Missouri	2		
		<i>Total</i>	581

TABLE 8
RELIGIOUS DISTRIBUTION OF FRESHMEN
1939-40

Baptist	32	Hebrew	21
Catholic	54	Lutheran	28
Christian	7	Methodist	166
Christian Scientist.....	10	Moravian	3
Church of Christ.....	1	None	48
Church of Christ of Latter Day Saints	1	Plymouth Brethren.....	1
Community	2	Presbyterian	101
Congregational	15	Reformed	6
Congregational-Christian	1	Reformed Church of America.....	1
Dutch Reformed.....	7	Seventh Day Adventist.....	1
Episcopal	61	Union	2
Evangelical	1	Unitarian	3
Evangelical Immanuel.....	1	United Brethren	1
Evangelical Reformed.....	1	Universalist	1
Friends	1	Universalist-Unitarian	1
Greek Orthodox.....	2		
		<i>Total</i>	581

RECORDS OFFICE

The increase of the work in the Records Office necessitated the addition of another member to the Staff. At the beginning of the academic year Miss Beatrice Abernethy of the Class of 1939 was added to the Staff. Miss Abernethy's appointment has reduced the amount of part-time assistance formerly required.

Interesting tables showing the geographical and religious distribution of Freshmen and of all students in Trinity College and the College of Engineering, the average of grades and quality-points for all classes, and a comparison of the averages of fraternity and nonfraternity men follow.

TABLE 9

GEOGRAPHICAL DISTRIBUTION—UNDERGRADUATE MEN OF TRINITY COLLEGE
1939-40

<i>State</i>		<i>State</i>	
Alabama	11	Minnesota	3
Arizona	1	Mississippi	2
Arkansas	5	Missouri	5
California	11	Montana	2
Canada	3	Nebraska	2
Canal Zone.....	1	New Hampshire.....	4
China	2	New Jersey.....	178
Connecticut	48	New York.....	256
Cuba	3	North Carolina.....	443
Delaware	15	Ohio	85
District of Columbia.....	31	Oklahoma	4
England	2	Oregon	2
Florida	70	Pennsylvania	204
Georgia	28	Philippine Islands.....	1
Hawaii	1	Puerto Rico	2
Idaho	1	Rhode Island.....	6
Illinois	46	South Carolina.....	31
Indiana	11	Tennessee	26
Iowa	1	Texas	10
Kansas	2	Vermont	6
Kentucky	21	Virginia	50
Louisiana	3	Washington	2
Maine	5	West Virginia.....	17
Maryland	44	Wisconsin	3
Massachusetts	56		
Michigan	31	<i>Total</i>	1,797

TABLE 10

RELIGIOUS DISTRIBUTION—UNDERGRADUATE MEN OF TRINITY COLLEGE
1939-40

Baptist	133	Hebrew	46
Buddhist	1	Hellenic Orthodox.....	1
Catholic	147	Independent Christian.....	1
Christian	22	Lutheran	76
Christian Scientist.....	19	Methodist	474
Church of Christ.....	5	Moravian	6
Church of Christ of Latter		None	198
Day Saints.....	1	Plymouth Brethren.....	2
Church of God.....	1	Presbyterian	319
Community	5	Quaker	5
Congregational	71	Reformed	11
Congregational-Christian	2	Reformed Church of America..	1
Disciples of Christ.....	1	Seventh Day Adventist.....	2
Dutch Reformed	10	Unionist	3
Episcopal	205	Unitarian	7
Ethical Culture Society.....	1	United Brethren	2
Evangelical	6	United Church of Canada.....	1
Evangelical Immanuel.....	1	Unity Society.....	1
Evangelical Reformed.....	2	Universalist	1
Greek Orthodox.....	5	Universalist-Unitarian	2
		<i>Total</i>	1,797

TABLE 11
ENROLLMENT BY CLASSES
1939-40

Seniors	252
Juniors	348
Sophomores	414
Freshmen	581
Advanced Freshmen	190
Specials	12
<i>Total</i>	<u>1,797</u>

Prior to the year 1937-38, this study was made on the basis of three semester hour courses. Since the number of one, two, four, and five hour courses has greatly increased during the past few years, the average is now computed per semester hour.

TABLE 12
A STUDY OF THE DISTRIBUTION OF GRADES AND QUALITY-POINTS
UNDERGRADUATE MEN OF TRINITY COLLEGE

A

FRESHMAN CLASS
FALL SEMESTER—1939-40

<i>Grade</i>	<i>Number</i>	<i>Percentage</i>
A	188	6.88
B	605	22.15
C	1,075	39.36
D	515	18.86
F	302	11.06
Incomplete ... 8 {	<u>46</u>	<u>1.69</u>
Absent 23 {		
Dropped 15 {		
	<u>2,731</u>	<u>100.00</u>
Percentage passing grades		87.25
Percentage failing grades		11.06
Percentage Incomplete, Absent from Examination, and Dropped		1.69

QUALITY-POINTS

A	1,845	Total hours carried	8,838
B	3,930	Total hours passed	7,700
C	3,411	Total hours failed	990
	<u>9,186</u>		
Less F	<u>990</u>		
Total points earned	<u>8,196</u>		
Average per hour .....			.943
Average per course			3.052
Average per student			14.480
Total number courses	2,685		
Total number students ...	566		

B

ADVANCED FRESHMAN CLASS
FALL SEMESTER—1939-40

<i>Grade</i>	<i>Number</i>	<i>Percentage</i>
A	18	2.18
B	63	7.66
C	304	36.89
D	246	29.85
F	162	19.66
Incomplete ... 11	31	3.76
Absent 3		
Dropped 17		
	824	100.00

Percentage passing grades 76.58

Percentage failing grades 19.66

Percentage Incomplete, Absent from Examination,
and Dropped 3.76

QUALITY-POINTS

A	153	Total hours carried	2,552
B	384	Total hours passed	1,942
C	938	Total hours failed	517
	1,475		
Less F	517		

Total points earned 958

Average per hour389

Average per course 1.208

Average per student 6.261

Total number courses 793

Total number students 153

C

SOPHOMORE CLASS
FALL SEMESTER—1939-40

<i>Grade</i>	<i>Number</i>	<i>Percentage</i>
A	143	7.13
B	495	24.69
C	860	42.89
D	339	16.91
F	135	6.73
Incomplete ... 14	33	1.65
Absent 10		
Dropped 9		
	2,005	100.00

Percentage passing grades 91.62

Percentage failing grades 6.73

Percentage Incomplete, Absent from Examination,
and Dropped 1.65

QUALITY-POINTS

A	1,353	Total hours carried	6,323
B	3,104	Total hours passed	5,774
C	2,711	Total hours failed	444

 7,168

Less F 444

 Total points earned 6,724

Average per hour 1.081

Average per course 3.049

Average per student 16.684

Total number courses 1,972

Total number students ... 403

D

JUNIOR CLASS

FALL SEMESTER—1939-40

<i>Grade</i>	<i>Number</i>	<i>Percentage</i>
A	156	9.17
B	569	33.45
C	694	40.80
D	186	10.94
F	42	2.47
Incomplete ... 29)	<hr/> 54	<hr/> 3.17
Absent 14)		
Dropped 11)		
	1,701	100.00

Percentage passing grades 94.36

Percentage failing grades 2.47

 Percentage Incomplete, Absent from Examination,
and Dropped 3.17

QUALITY-POINTS

A	1,380	Total hours carried	5,231
B	3,442	Total hours passed	4,939
C	2,162	Total hours failed	133

 6,984

Less F 133

 Total points earned 6,851

Average per hour 1.350

Average per course 4.159

Average per student 20.090

Total number courses 1,647

Total number students ... 341

E

SENIOR CLASS

FALL SEMESTER—1939-40

<i>Grade</i>	<i>Number</i>	<i>Percentage</i>
A	147	12.43
B	488	41.25
C	434	36.69
D	73	6.17
F	7	.59
Incomplete ... 15	34	2.87
Absent 11		
Dropped 8		
	1,183	100.00
Percentage passing grades		96.54
Percentage failing grades .....		.59
Percentage Incomplete, Absent from Examination, and Dropped		2.87

QUALITY-POINTS

A	1,314	Total hours carried	3,569
B	2,938	Total hours passed	3,447
C	1,311	Total hours failed	23
	5,563		
Less F	23		
Total points earned	5,540		
Average per hour		1.596	
Average per course		4.821	
Average per student		22.073	
Total number courses 1,149			
Total number students ... 251			

F

A STUDY OF THE DISTRIBUTION OF GRADES AND QUALITY-POINTS
UNDERGRADUATE MEN OF TRINITY COLLEGE

FALL SEMESTER—1939-40

<i>Grade</i>	<i>Number</i>	<i>Percentage</i>
A	652	7.72
B	2,220	26.29
C	3,367	39.88
D	1,359	16.09
F	648	7.67
Incomplete ... 77	198	2.35
Absent 61		
Dropped 60		
	8,444	100.00
Percentage passing grades		89.98
Percentage failing grades		7.67
Percentage Incomplete, Absent from Examination, and Dropped		2.35

QUALITY-POINTS			
A	6,045	Total hours carried	26,513
B	13,798	Total hours passed	23,802
C	10,533	Total hours failed	2,107
		<hr/>	
		30,376	
Less F	2,107		
		<hr/>	
Total points earned	28,269		
		Average per hour	1.099
		Average per course	3.428
		Average per student	16.492
Total number courses	8,246		
Total number students ...	1,714		

TABLE 13

A STUDY OF THE DISTRIBUTION OF GRADES AND QUALITY-POINTS
UNDERGRADUATE MEN OF TRINITY COLLEGE

A FRESHMAN CLASS SPRING SEMESTER—1939-40		
<i>Grade</i>	<i>Number</i>	<i>Percentage</i>
A	199	7.75
B	583	22.72
C	1,141	44.47
D	477	18.59
F	119	4.64
Incomplete ... 14	47	1.83
Absent 26		
Dropped 7		
	2,566	100.00
Percentage passing grades		93.53
Percentage failing grades		4.64
Percentage Incomplete, Absent from Examination, and Dropped		1.83

QUALITY-POINTS			
A	1,911	Total hours carried.....	8,242
B	3,678	Total hours passed.....	7,670
C	3,620	Total hours failed.....	418
		<hr/>	
Less F	418		
		<hr/>	
		9,209	
Total Points earned.....	8,791		
		Average per hour	1.06
		Average per course	3.48
		Average per student	16.34
Number courses	2,519		
Number students	538		

B
ADVANCED FRESHMAN CLASS
SPRING SEMESTER—1939-40

<i>Grade</i>	<i>Number</i>	<i>Percentage</i>
A	2	.50
B	41	10.30
C	148	37.19
D	123	30.90
F	57	14.33
Incomplete ... 5	27	6.78
Absent 12		
Dropped 10		
	398	100.00
Percentage passing grades		78.89
Percentage failing grades		14.33
Percentage Incomplete, Absent from Examination, and Dropped		6.78

QUALITY-POINTS

A	18	Total hours carried	1,214
B	238	Total hours passed	940
C	447	Total hours failed	181
	703		
Less F	181		
Total points earned	522		
Average per hour .....		.429	
Average per course		1.40	
Average per student		6.69	
Number courses	371		
Number students	78		

C
SOPHOMORE CLASS
SPRING SEMESTER—1939-40

<i>Grade</i>	<i>Number</i>	<i>Percentage</i>
A	151	8.67
B	431	24.74
C	776	44.55
D	265	15.21
F	91	5.22
Incomplete ... 13	28	1.61
Absent 15		
Dropped 0		
	1,742	100.00
Percentage passing grades		93.17
Percentage failing grades		5.22
Percentage Incomplete, Absent from Examination, and Dropped		1.61

QUALITY-POINTS

A	1,485	Total hours carried	4,952
B	2,764	Total hours passed	4,571
C	2,453	Total hours failed	295
	<u>6,702</u>		
Less F	295		
Total points earned	<u>6,407</u>		
Average per hour		1.29	
Average per course		3.73	
Average per student		14.01	
Number courses	1,714		
Number students	457		

D

JUNIOR CLASS
SPRING SEMESTER—1939-40

<i>Grade</i>	<i>Number</i>	<i>Percentage</i>
A	185	9.74
B	607	31.95
C	796	41.89
D	193	10.16
F	81	4.26
Incomplete ... 31	<u>38</u>	<u>2.00</u>
Absent 4		
Dropped 3		
	1,900	100.00
Percentage passing grades	93.74	
Percentage failing grades	4.26	
Percentage Incomplete, Absent from Examination, and Dropped	2.00	

QUALITY-POINTS

A	1,605	Total hours carried	5,782
B	3,642	Total hours passed	5,412
C	2,444	Total hours failed	264
	<u>7,691</u>		
Less F	264		
Total points earned	<u>7,427</u>		
Average per hour		1.28	
Average per course		3.98	
Average per student		21.22	
Number courses	1,862		
Number students	350		

E
 SENIOR CLASS
 SPRING SEMESTER—1939-40

<i>Grade</i>	<i>Number</i>	<i>Percentage</i>
A	146	9.69
B	655	43.46
C	569	37.76
D	100	6.64
F	18	1.19
Incomplete ... 10	19	1.26
Absent 5		
Dropped 4		
	1,507	100.00
Percentage passing grades		97.55
Percentage failing grades		1.19
Percentage Incomplete, Absent from Examination, and Dropped		1.26

QUALITY-POINTS

A	1,278	Total hours carried	4,439
B	3,816	Total hours passed	4,324
C	1,690	Total hours failed	56
	6,784		
Less F	56		
Total points earned	6,728		
Average per hour		1.51	
Average per course		4.52	
Average per student		25.19	
Number courses	1,488		
Number students	267		

F

A STUDY OF THE DISTRIBUTION OF GRADES AND QUALITY-POINTS
 UNDERGRADUATE MEN* OF TRINITY COLLEGE
 SPRING SEMESTER—1939-40

<i>Grade</i>	<i>Number</i>	<i>Percentage</i>
A	683	8.42
B	2,317	28.56
C	3,430	42.28
D	1,158	14.27
F	366	4.51
Incomplete ... 73	159	1.96
Absent 62		
Dropped 24		
	8,113	100.00
Percentage passing grades		93.53
Percentage failing grades		4.51
Percentage Incomplete, Absent from Examination, and Dropped		1.96

* 1,690 students.

QUALITY-POINTS			
A	6,297	Total hours carried	24,629
B	14,138	Total hours passed	22,918
C	10,654	Total hours failed	1,214
	<u>31,089</u>	Total courses carried	7,954
Less F	1,214		
Total points earned	<u>29,875</u>		
Average per hour		1.213	
Average per course		3.755	
Average per student		17.677	

G

A STUDY OF THE DISTRIBUTION OF GRADES AND QUALITY-POINTS
UNDERGRADUATE MEN* OF TRINITY COLLEGE

YEAR—1939-40

Grade	Number	Percentage
A	1,335	8.06
B	4,537	27.40
C	6,797	41.05
D	2,517	15.20
F	1,014	6.13
Incomplete .. 150	<u>357</u>	<u>2.16</u>
Absent 123		
Dropped 84		
	16,557	100.00
Percentage passing grades		91.71
Percentage failing grades		6.13
Percentage Incomplete, Absent from Examination, and Dropped		2.16

QUALITY-POINTS

A	12,342	Total hours carried	51,142
B	27,936	Total hours passed	46,720
C	21,187	Total hours failed	3,321
	<u>61,465</u>	Total courses carried	16,200
Less F	3,321		
Total points earned	<u>58,144</u>		
Average per hour		1.136	
Average per course		3.587	
Average per student		17.081	

TABLE 14

FRATERNITY AVERAGES

YEAR—1939-40

FALL SEMESTER

Fraternity Average	1.320
Nonfraternity Average .....	.945
All Men's Average	1.071

* 3,404 students.

SPRING SEMESTER

Fraternity Average	1.306
Nonfraternity Average	1.024
All Men's Average	1.163

SUMMARY FOR THE YEAR

Fraternity Average	1.312
Nonfraternity Average .....	.978
All Men's Average	1.116

COUNSELING

In previous reports I have attempted to emphasize the importance of student counseling and of the constant need for the fostering of as many informal contacts between Faculty members and students as possible. Obviously, a large proportion of the time of members of the Staff is devoted to consultations with students to aid them in the selection of courses and to guide them in preparation for professional objectives. Conference with those whose grades are unsatisfactory because of poor study habits, lack of aptitude for courses chosen, or lack of effort, we deem highly necessary. We are constantly trying to increase the number of these conferences. We are also directing an increasing number of students to Dr. K. B. Watson for different types of objective tests in an effort to increase the efficiency of the work.

In addition to guidance in matters directly relating to academic subjects, there is no limit to the amount of assistance which may be given by able advisers through informal contacts and counseling in the whole field of student interests. Many members of the Teaching Staff are making effective use of the twenty-minute period between classes for informal conferences with their students. Faculty-student luncheons, the attendance of Staff members at fraternity meetings and other group meetings, and similar contacts undoubtedly are aiding in the development of the proper atmosphere for effective guidance.

The work of this office is made more effective by its close relation to our excellent Student Health Service, to the full cooperation of the Department of Physical Education and Athletics, to the work of the Student Activities Office, intimate and frequent contacts with organized groups, and to the sympathetic assistance given by members of the Faculty in individual student problems. We are constantly aware of the value of working through all organized groups for the improvement of scholarship and the strengthening of personal qualities, but we realize that there is no substitute for personal relationship.

H. J. HERRING,
Dean of Men.

THE FRESHMEN

During the past several years counseling available to Freshmen has been widened in scope and improved in effectiveness. An analysis of this phase of the work with Freshmen will clarify the program at its present stage.

The development of the program of counseling has been shaped by three fundamental ideas. It is obvious that although organization is essential, it is the means to the desired end and not the end itself. Thus consistent attention has been directed toward devising a system which will be adequate to meet the needs of the Freshmen of this particular institution. At the same time no scheme has been considered sacrosanct, however successful it may appear in theory or may be reported to be as practiced at other institutions.

In the second place, the effectiveness of counseling is contingent upon the ability of the adviser. A smaller number of hand-picked advisers has been preferred, therefore, to a larger number of advisers whose personalities and inclinations render them less suitable for this type of work. In the counseling program the personal equation has been considered the decisive factor.

In the third place, overcounseling is as lamentable as, and perhaps less preferable than, too little counseling. Consequently, care has been taken to avoid transferring the ultimate responsibility in matters of conduct and intellectual effort from the individual student to the adviser. This point has been emphasized in previous reports: it is particularly applicable to counseling activity. Effort has been directed toward the development of as many phases of counseling as the situation in the first year of Trinity College requires and then toward making that counseling easily available to the student if he wants it.

With these ideas in mind the program has developed along three lines: counseling in matters arising from daily life, centered principally in the dormitories; counseling in matters relating to scholastic problems; and counseling of a specialized nature resulting from maladjustments and acute problems discovered in the first two fields.

The House Masters and the Freshmen Advisory Council, to the work of both of which reference has been made in previous reports, have continued to do effective work in the dormitories. The Supervisors of Freshmen Instruction in the departments offering courses open to Freshmen have become increasingly valuable as Faculty advisers. Insight into problems arising in their own particular field of knowledge, acquaintance with the regulations of the catalogue, and familiarity with the practices of their own departments enable these men to render effective service. Through the natural approach of a specific problem requiring consultation, the way is opened frequently to broader, more deeply personal questions. It is worthy of note, however, that this type of counseling is not limited to the Supervisors of Freshman Instruction, for members of the Faculty who teach Freshman classes are doing much unadvertised work of this nature.

Counseling of the specialized nature is being done by Dr. K. B. Watson, to whose work reference has also been made in previous reports. In response to insistent demand from parents and students an increasingly large part of Dr. Watson's time has been devoted to assisting students who desire help in choosing a vocation.

A plan initiated and promoted during the past year by the Freshman Advisory Council and the Committee of the College Faculty on Student-Faculty Relations throws some light on the possible effectiveness of a scheme whereby each Freshman is assigned to an adviser drawn from members of the Faculty. Through the student members of the Freshman Advisory Council first-year men living in Kilgo Quadrangle were given an opportunity to signify a desire to establish contacts with a Faculty adviser and to list preferences. Through the Faculty Committee members of the Faculty so listed were invited to participate in the program. Faculty and students were matched, care being taken not to assign an excessive number to any one adviser. Both students and Faculty were notified of the assignments. Something over 80 per cent of the Freshmen in the Quadrangle expressed a desire for such contacts and were assigned advisers.

Due in part to the fact that the plan was in its first year and in part to the difficulty of measuring results, any evaluation of the scheme made at this stage must be inconclusive. Those most closely associated with the operation of the plan, however, were disappointed. Mr. Robert Rice, Chairman of the Freshman Advisory Council, who was in a position to gauge student reaction, was quite positive in his adverse opinion. His judgment was shared by many students and Faculty members connected with the project. Several of the latter felt that their most effective counseling was done with students, not assigned to them, who through the approach of common interests sought their aid.

The Freshman Office, in addition to carrying on the counseling activity obviously entailed in its work, has endeavored to serve as the clearing house, the coordinator of the several agencies involved in the program outlined above. It has received the cooperation essential in an undertaking of this sort.

The Office continues to maintain cordial relations with the Panhellenic Council, the officers of individual fraternities, the Y. M. C. A., B. O. S., and other organizations which touch the life of the Freshmen. And the general social life of the campus still demands considerable attention.

ALAN K. MANCHESTER,
Dean of Freshmen.

THE WOMAN'S COLLEGE

To the President of the University:

As Dean of the Woman's College, I have the honor to submit my report for the year 1939-40.

This report includes in part the reports of Miss Florence Moss, Director of Religious Activities; of Miss Louise Seabolt, Recorder; of Mrs. W. S. Persons, Secretary of the Committee on Admissions and Assistant Dean of Freshmen; of Miss Mary Grace Wilson, Dean of Residence; of Miss Julia Grout, Director of Physical Education; and of Mrs. Hazen Smith, Associate Dean of Undergraduate Instruction.

The enrollment of the Woman's College was 868 (844 regular students and 24 special students) for the first semester, 839 (820 regular students and 19 special students) for the second semester, and 881 (853 regular students and 28 special students) for the year. Forty-two students (32 regular and 10 special students) withdrew during or at the end of the first semester, and 13 students (7 regular and 6 special students) entered at the beginning of the second semester. This number shows an increase of 15 students over the enrollment for the preceding year.

TABLE 1
ENROLLMENT BY CLASSES

Seniors	161
Juniors	204
Sophomores	224
Advanced Freshmen	25*
Freshmen	239
Specials	28
<i>Total</i>	881

The following tables give the geographical distribution and religious affiliation of the undergraduate women.

TABLE 2
GEOGRAPHICAL DISTRIBUTION OF UNDERGRADUATE WOMEN

Alabama	10	Iowa	1
Arkansas	5	Kentucky	15
California	2	Louisiana	2
Colorado	1	Maryland	29
Connecticut	12	Massachusetts	10
Delaware	11	Michigan	15
District of Columbia	21	Minnesota	7
Florida	54	Mississippi	5
Georgia	25	Missouri	5
Illinois	22	New Hampshire	1
Indiana	3	New Jersey	80

* Includes only those who were Advanced Freshmen the entire year. Those who attained Sophomore standing at the end of the first semester were included in the Sophomore Class.

New York	76	Tennessee	13
North Carolina	239	Texas	2
Ohio	48	Vermont	2
Oklahoma	5	Virginia	45
Pennsylvania	75	West Virginia	16
Rhode Island	1	Wisconsin	3
South Carolina	14	Foreign Countries and U. S.	
		Dependencies	6
<i>Total</i>			881

TABLE 3

RELIGIOUS DISTRIBUTION OF UNDERGRADUATE WOMEN

<i>Denomination</i>	<i>Member</i>	<i>Preference</i>	<i>Denomination</i>	<i>Member</i>	<i>Preference</i>
Assembly of God ..	0	0	Lutheran	26	2
Baptist	54	3	Methodist	239	19
Catholic	41	2	Moravian	1	1
Christian	9		Presbyterian	173	24
Church of Brethren	1	1	Quaker	3	
Community	2		Reformed	12	1
Congregational	35	4	Unitarian	3	1
Episcopalian	134	18	None	7	
Evangelical	1	1	No data	18	
Hebrew	19	4	Christian Science ..	14	6
			Interdenominational	2	
<i>Total</i>					881

A comparison of the regional distribution with that for 1938-39 shows very little change. From the South came 56.91 per cent, from the North 30.76 per cent, from the Middle and Far West 11.64 per cent, and from foreign countries and dependencies of the United States .69 per cent. By far the largest number from any one state were from North Carolina, 239, or 27 per cent, of whom 102 were from Durham.

The mortality was higher than usual, 137 having withdrawn from September, 1939, to September, 1940, not including special students or those who graduated. After careful study of the reasons for withdrawals and after conference with each Head of House, Miss Seabolt came to the conclusion that for the most part the causes for withdrawals were personal problems of the students which would probably have been experienced in any other college. The following table gives the reasons as far as obtainable.

TABLE 4

WITHDRAWALS

Transferred to Business and Professional Schools	14
Unsatisfactory Scholarship	55
Dropped for failures	16
Withdrew voluntarily ...	11
Contributory factors	28 (included in other causes)
Financial	18
Health	7
Discipline	3
Marriage	10
Maladjustment	4
To be nearer home	14
To be away from home	1

Wanted recognition in social activities or leadership not getting here	14
Lack of interest	5
Traveling	1
Duke Professional Schools	3
Nursing	1
Technician	2
Family problems	3
No special problem	12
No data	1
<i>Total</i>	137

Although there were a number of students who left because of poor work, on the whole the women maintained about the same average of quality-points earned per semester hour carried as in the past six years, 1.4+. The following table shows the academic rating by classes.

TABLE 5
CLASS YEARLY AVERAGE

<i>Class</i>	<i>Number</i>	<i>Q.-Pts. Earned Per S.H. Carried</i>	<i>Q.-Pts. Earned Per Student</i>	<i>S.H. Carried Per Student</i>	<i>S.H. Passed Per Student</i>	<i>S.H. Failed Per Student</i>
Freshman...	468(4)*	1.304	20.31	15.58	15.03	.55
Advanced Freshman...	63(3)	.509	7.27	14.28	12.14	2.14
Sophomore...	437(6)	1.361	20.64	15.17	14.79	.38
Junior.....	394(1)	1.663	25.41	15.28	15.11	.17
Senior.....	289(1)	1.861	27.10	14.56	14.53	.03
Special.....	35(6)	1.217	7.54	6.20	5.74	.46
<i>Total</i> ...	1,686(21)	1.468	22.00	14.99	14.60	.39

*Numbers in parentheses denote students without grades.

The total number of students failing to make a "C" average was 145 as compared with 200 for the previous year. As usual, by far the largest percentage of failures was made by the Advanced Freshmen.

The number of women on the Dean's List was 92 for the first semester and 135 for the second, in all 19 less than in 1938-39; on the other hand, 30 women made class honors, 8 more than in 1938-39, and 18 were elected to Phi Beta Kappa, 3 more than in the previous year. Four women were awarded degrees *magna cum laude* and one *summa cum laude*. One woman completed Honors work in Economics, 2 in English, and 1 in Political Science.

The work of the Committee on Admissions should assure an increasingly well-trained and able student body. The number of applications is increasing each year, and the number of dormitory rooms remains the same. Although this makes the work of the Committee more difficult, it should bring us better students. The best results are unquestionably obtained from personal interviews. Therefore the Committee is attempting

to have as many applicants as possible come to the College. In addition, Mrs. Persons interviewed Northern applicants in February and May, and specially appointed alumnae representatives interviewed applicants in the Middle West and in various other sections of the country. Of those admitted, 63 per cent had had a conference with some member of the Committee or with an alumnae representative.

Since a much larger number are applying early, it seemed best to the Committee to give tentative admission before June to a number of the very best applicants. Ninety-eight Freshmen and 5 transfer students were admitted in this way.

No entrance examinations were given at the College. Instead, if an applicant could not qualify upon certificate, she was required to take the College Entrance Examination Board examinations. Frequently doubtful students were advised to take the Scholastic Aptitude Test given by the Board, even if not required to take other examinations.

With a few exceptions those admitted as Freshmen belonged in the upper quartile of their high-school class and as transfers had had a "B" average in the institution from which they transferred. Of 239 Freshmen, 220 ranked in the first quarter, 16 in the second quarter, and 3 Durham girls in the third quarter.

Not only does the Committee attempt to choose students with good academic record, but it tries to choose those with excellent personal qualities and character. In neither case is it always possible to judge accurately from the school record or from the recommendations, and there are always some who fall below our expectations in various ways. It is also probable that, in certain cases, the College may fail to provide the environment or intellectual stimulus needed.

The following tables give interesting statistics concerning the new students.

TABLE 6
GEOGRAPHICAL DISTRIBUTION OF NEW STUDENTS

Alabama	5	New Jersey	27
Connecticut	2	New York	22
Delaware	2	North Carolina	70
District of Columbia	7	Ohio	15
Florida	18	Oklahoma	2
Georgia	9	Pennsylvania	29
Illinois	11	Rhode Island	1
Kentucky	6	South Carolina	5
Maryland	11	Tennessee	3
Massachusetts	3	Texas	1
Michigan	7	Virginia	9
Minnesota	4	West Virginia	7
Mississippi	4	Foreign Countries and U. S.	
Missouri	3	Dependencies	3
New Hampshire	1		
<i>Total</i>			287

TABLE 7

CLASSIFICATION OF NEW STUDENTS

Freshmen	239	Juniors	18
Advanced Freshmen	6	Seniors	1
Sophomores	22	Specials	1
<i>Total</i>			287
Resident			257
Nonresident			30
A. Freshmen			17
1. Durham girls			12
2. Students living with relatives or professors			5
B. Advanced			13
1. Durham girls			6
2. Students living with relatives or professors			7

TABLE 8

REGIONAL DISTRIBUTION

Southern	159	(or 55% of all new students)
(Including North Carolina—70)		
Middle Atlantic	79	
New England	7	
Middle West	39	
Foreign Countries	3	
<i>Total</i>	287	

TABLE 9

RELIGIOUS DISTRIBUTION OF NEW STUDENTS

Baptist	16	Methodist	70
Catholic	15	Moravian	1
Christian Science	3	Presbyterian	48
Church of Christ	3	Reformed	4
Congregational	17	Unitarian	1
Episcopal	38	United Brethren	1
Hebrew	10	No Affiliation	51
Lutheran	9		
<i>Total</i>			287

TABLE 10

FRESHMAN SCHOLARSHIP FOR FOUR-YEAR PERIOD

<i>Year</i>	<i>Q.-P. Earned Per Student Per S.H. Carried</i>	<i>S.H. Carried Per Student</i>
1936-37	1.234	15.25
1937-38	1.215	15.73
1938-39	1.160	15.72
1939-40	1.304	15.58

TABLE 11

FRESHMEN MAKING "B" AVERAGE FOR TWO-YEAR PERIOD

	<i>Number of Students</i>		<i>Percentage of Class</i>	
	<i>1938-39</i>	<i>1939-40</i>	<i>1938-39</i>	<i>1939-40</i>
Fall Mid-Semester	24	35	9.5	14.6
First Semester	33	43	13.3	18.4
Spring Mid-Semester	26	22	10.5	9.5
Second Semester	29	39	11.7	16.7

TABLE 12

FRESHMAN FAILURES FOR TWO-YEAR PERIOD

	<i>Number of Students Failing</i>		<i>Number Courses Failed</i>		<i>Percentage of Class Failing One or More Subjects</i>	
	<i>1938-39</i>	<i>1939-40</i>	<i>1938-39</i>	<i>1939-40</i>	<i>1938-39</i>	<i>1939-40</i>
Preliminary Grades						
October 28	73	56	94	70	29.0	23.0
Fall Mid-Semester	46	45	56	53	18.0	18.8
First Semester	45	42	53	55	18.0	17.8
Spring						
Mid-Semester ...	40	46	48	52	16.1	19.6
Second Semester ..	43	19	56	27	17.4	8.0

On the whole, the Freshmen showed definite improvement. This was due to a number of causes, among them the extension of the work of the Freshman Advisory Council, the attempts of the Student Council to improve conditions of study, and perhaps chiefly to the adoption by the sororities of deferred rushing. Two women won competitive Freshman scholarships, 21 were elected to the honorary society, Ivy, and 7 made Freshman Honors.

In spite of what seemed decided improvement in many ways, 40 Freshmen, 16.7 per cent of the class, withdrew during the year or failed to return in September. This was 2.7 per cent more than during the previous year. "In most cases," says Mrs. Persons, "a number of factors contributed to the students' decision to leave, among which a lack of thorough adjustment here and poor scholarship were general." The following table shows the reasons given by the students themselves.

TABLE 13

Unsatisfactory scholarship	9
Dropped for failures	5
Discouraged by poor work	4
Transferring	20
Liberal arts colleges	19
To be nearer home	10
Dissatisfied here	4
No data	5
Specialized field	1
Financial difficulties	4
Marriage	3
Health	2
No data	2

It seems significant that of those who did not return, 52 per cent failed to make a "C" average. This did not always mean an inability to do good work. On the contrary, some had plenty of ability, though the majority were below the average.

One of the reasons for discontent and withdrawal among many of the students, upperclassmen as well as Freshmen, is the desire for some definite vocational training, a desire that seems to be growing rapidly. Although it seems unwise to set up a department of home economics or other special vocational departments, there is great need for really expert work among the students in vocational guidance. As soon as possible a well-trained woman in this field should be appointed to work with Mr. Upchurch, giving her time to the vocational guidance and placement of the women students.

It is not possible, in a brief report, to touch upon all phases of the life of the College. On the whole, the year was a good one. In certain fields there were interesting developments. The work of the Physical Education Department was notable. Miss Grout reports a decided trend of interest toward individual and recreational activities, rather than upon group and mass sports. Fencing was introduced for the first time; the gymnasium was opened on certain evenings, under the sponsorship of the Woman's Athletic Association, to both men and women for various activities; and there was close cooperation between the Department and Dr. June Thomas, the resident woman physician, in caring for the health and well-being of the women.

The work in the Modern Dance under Miss Lewis was exceptionally good. The general interest in this work was evidenced by the coming of Hanya Holm and her group under the sponsorship of the College Forum Committee.

This committee brought to the campus also Edward Wind, who spent two days lecturing on fine arts, Samuel Stoney, and Vera Brittain. Each year the Woman's College Government Association votes unanimously to tax each student a dollar in order to bring such guests to our campus.

The growth of the Music Department is of special interest to the Woman's College. One instructor was added, Miss Julia Wilkinson, not only an able teacher but a true artist in violin and viola. More courses were offered, and the number of students taking work in the Department greatly increased. The small woman's orchestra was discontinued; instead, qualified women played in the University orchestra. In addition, a small string ensemble of women was organized by Miss Wilkinson, which took its part in the evening concert given by the Glee Club, the Modern Dance Group, and the String Ensemble.

Excellent programs were given each month by the Music Study Club, and the Friday evening record concerts were also largely attended.

Twice during the year, for a week in the fall and again for a week in the spring, the University had as its guest the well-known American composer, pianist, and teacher, Dr. Harold Morris. He gave public lectures and musicals, held conferences with the music classes and Durham

musicians, and in many ways brought help and stimulus to the young Department.

In the field of student affairs, there were also certain interesting developments. The president of the Woman's College Government Association was Miss Peggy Anne Raup of Richmond, and under her able leadership the Council attempted to do constructive work in many phases of student life. Although the men and women have separate student organizations to a large extent, and prefer to have them separate, there seems to be some interest in the development of a closer relationship. The Y. W. C. A. and Y. M. C. A. have worked more closely together, as have the B. O. S. and Sandals. Two joint meetings of the Student Councils were held also. Here there seems to be room and indeed need for a better understanding and closer cooperation if the students are to take the part which is rightfully and desirably theirs in the establishment and maintenance of the intellectual and social standards of the University.

For the first year the Panhellenic Council tried the plan adopted at its suggestion by the Woman's College Government Association of deferred rushing. The plan involved what were called "normal relations" during the first semester and a short period of rushing at the beginning of the second semester. Although too soon to be sure of the results, it seems evident that the plan worked to the advantage of the Freshmen, and it proved, during this year, less of a disadvantage to the sororities than some of them had feared. The plan will be continued until it has had at least a fair trial.

In addition, the Freshmen were limited by the Student Council in the matter of evening dates to the week-end, and this seems to have been one factor in their improved work. All Freshmen were also required to attend eight orientation lectures given in the early fall by Dr. Watson of the Department of Education, eight in the winter on body care and mechanics given by the Department of Physical Education, and seven in personal hygiene by Dr. June Thomas.

Mrs. Persons and her student advisers, as well as Miss Wilson and the Staff, are each year attempting to give better help to the Freshmen and other new students in the problems of adjustment and especially in helping them to self-guidance and self-adjustment.

There are a few other things which deserve special mention. For perhaps the first time in its history the Town Girls Club was able to win the interest and cooperation of all its members and, in consequence, had its best year.

The small Jewish sorority, Alpha Epsilon Phi, inaugurated a plan which was remarkably successful. At regular intervals they invited certain students and Faculty to coffee in the Presidents' Club room and asked one person to lead a discussion about some definite subject. These often became so interesting and provocative that the hour extended itself to two or three.

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Isotes, the society of independents in Brown House, put on a most successful and varied program. Its members felt that through Isotes they had gained the experiences they needed and desired.

As in former years the women were interested in giving something to the College which they had come to love. Classes and organizations helped to decorate and equip more fully the Game Room in the basement of the Ark as well as the Ark itself, and the Senior Class gave the long-needed Steinway grand piano to be used for our concerts.

For the first time, I believe, in the history of the *Archive*, the Publications Board chose for its editor-in-chief a woman, Bettilu Porterfield, of Canton, Ohio, who has written much for the College publications and has already had one of her stories accepted by a magazine of national reputation.

Many of the students were also interested in religious activities on the campus, in the city, and in the state. Miss Moss says, in her report, that the Duke University Church has grown decidedly stronger during the past year and that it has reached an increasingly large number of students. Approximately 90 per cent of the Freshman women became affiliated with it. In the work of the membership committee some twenty-five women participated and about one hundred served under the social committee. Women also took a larger share than formerly in the work of the Committee on Church Services. The work done by the new Campus Council of Social Agencies was especially appealing to the women, as was also that done by the Social Service Committee of the Y. W. C. A.

There were 481 members of the Y. W. C. A. This organization is always influential in many ways, but the Dean can never close her report without speaking of the help given by the women working under the Social Service Committee to the many social agencies in Durham. Some 212 women were active in girls' club work, Legal Aid Clinic, the Spastic Clinic for crippled children, hospital work at Duke and Watts hospitals, the Nursery School, Juvenile Court, Girl Scouts, and Wright Refuge, and on the Entertainment Committee for underprivileged children.

The women share also in religious and social work in the state; in joint meetings with the Y. W. C. A. and Y. M. C. A. of the University of North Carolina, in the intercollegiate and interracial North Carolina Student Christian Movement and the Southern Student Christian Conference at Blue Ridge.

These are but a few of the ways in which the women students are contributing to the social, religious, and intellectual activities of the University. There are, of course, weak places in our college work and life; and it is the purpose of the Dean, the Faculty, Staff, and students to see these weaknesses clearly and to eliminate them as rapidly as possible.

ALICE M. BALDWIN,
Dean.

THE COLLEGE OF ENGINEERING

To the President of the University:

As Dean of the College of Engineering, I have the honor to submit the following report for the year 1939-40.

The College of Engineering is the third undergraduate college of the University, and is the result of a plan of expansion and reorganization that has been going on for a number of years. We are definitely proud of the progress which has been made in engineering at Duke University since its very humble beginning in 1887, and are also proud of having had a part in the development and organization of the present College of Engineering. The support and encouragement that has been accorded us by the Administration has made it possible for the development of a college of engineering that compares very favorably with any in the United States for undergraduate instruction in civil, electrical, and mechanical engineering. Our three curricula have been fully approved by the national engineering accrediting agency, the Engineering Council for Professional Development.

It would be fitting at this point, I believe, to review briefly the history of engineering from its beginning in 1887, when courses were first offered in civil and mining engineering, leading to the Bachelor of Science degree. From 1893 to 1903 no engineering courses were offered. Since the latter date, uninterrupted and continuously expanding instruction has been given. Prior to 1927, however, no separate degrees were offered. Students were enrolled in what was called the "C" Course, and were graduated upon the completion of 122 semester hours of work, with a Bachelor of Arts degree, as were the students in the liberal arts courses. Beginning in 1927, the single department which had existed until that time was divided into two departments, one designated "Civil and Mechanical Engineering" and the other "Electrical Engineering"; courses leading to the Bachelor of Science degree in each were offered on the completion of 138 semester hours of work. This plan continued until May, 1937, when three separate departments in civil, electrical, and mechanical engineering were set up, and these in turn were grouped together with a Director and an Executive Committee to form the Division of Engineering. The Executive Committee consisted of the Director and the Secretary of the Division of Engineering and the Chairmen of the three Departments of Engineering. In the spring of 1939 the Board of Trustees authorized the organization of the College of Engineering, and the Director of the Division of Engineering became the Dean of the College. The Executive Committee continued its duties, and a Council on Engineering Instruction was formed, consisting of the Dean of the College of Engineering, the Secretary of the College, the Dean of the University, the Chairmen of the several departments in engineering, one representative to be appointed by the President of the University

from each of the Departments of Mathematics, Physics, Chemistry, Economics, and English. The Council deals with questions relating to instruction in engineering, the welfare of engineering students, and the cause of engineering in general. Four other committees have been appointed—the Curriculum, Public Relations, Student Relations, and Schedule Committees, which have been functioning actively during the year.

Each of the three departments is housed in a separate building. The Civil Engineering Department is located in Bivins, which has recently been completely renovated and remodeled. In addition to adequate classroom space, this building contains seven laboratories: Highway Engineering, Sanitary Engineering, Soils Testing, Cement Testing, Surveying, Stress Analysis, and General Materials Testing. The Electrical Engineering Department is housed in Asbury, with six laboratories: Electrical Machinery, Communications, Electronics, Standardizing, Projects, and Electrical Circuits. The Amateur Radio Station W4AHY is also located in this building, and two 100-foot towers have been erected to support the antenna. The high-voltage laboratory is located in a separate building in the rear of Asbury. In Asbury are also the drawing rooms, the Engineering Library, the auditorium, and classrooms. The Mechanical Engineering Department is housed in Branson. The main equipment is grouped into five divisions: the Boiler Room, the Lubricants and Feed-water Laboratory, Fuels Testing Laboratory, Maintenance Machine Shop, and the main laboratory containing equipment for running experiments on steam, hydraulic, and internal combustion engines. The most efficient and latest equipment has been provided for the laboratories in each of the three departments, and ample funds are available for the further development of these laboratories.

The curricula and schedule revisions which have recently been made have proved to be fairly satisfactory. We believe, however, that a maximum number of morning laboratories should be established in order to maintain the desirable ratio of morning and afternoon classes, and that more of the class periods should be scheduled at two o'clock, in order to provide for a more even distribution of classes throughout the day. A definite need is felt for more one-semester elective courses in the Junior and Senior years, so that students in these classes will have a better opportunity of electing subjects in the allied departments.

The projects courses offer a fine opportunity for the students to develop their own personal aptitudes by specialized study and experimentation in the particular phase of engineering in which they are most interested. They also give the instructors opportunities to carry on a certain amount of research work which would otherwise be impossible because of their full schedules of instruction. We hope that more of these projects courses can be scheduled.

Numerous inquiries have been received from prospective students in regard to chemical engineering. While we do not feel that such a curriculum should be established at this time, careful studies are being made

by our Curriculum Committee and representatives of the Chemistry Department with regard to these needs.

In order to meet the needs of the engineering students, our Executive Committee is strongly in favor of increasing the semester hours of work for graduation from 138 to 144 so that six additional hours of English may be required. The details of the proposed revision have not yet been perfected.

Due to the major emphasis that will undoubtedly be placed on aeronautics in the United States for many years to come, we wish to recommend that an aeronautical course be provided in our College of Engineering. Probably no other branch of engineering will offer equal opportunities for employment as will the aviation industry. It would therefore seem desirable that such training be offered to many of our students who have signified the desire to secure positions in this growing field. This expansion would require the appointment of one additional instructor and the erection of a building of the same general type and floor space as Branson, the present mechanical engineering building. It is contemplated that most of the major pieces of equipment for this program will be provided by agencies of the Federal Government. Assurance has already been given that such equipment will be supplied, provided Duke participates in the Secondary Ground School Program of the Civil Aeronautics Authority. We are vitally interested not only in the proposed expansion of our own curriculum, but also in the Primary and the Secondary Civil Aeronautics Training Courses. We wish to continue our fullest cooperation in the development of this latter program; members of our Staff at personal sacrifices volunteered their services as instructors in the Primary Civil Aeronautics Course, and will also be available for the Secondary Course which is contemplated.

The interest in engineering at Duke is evidenced by the steadily increasing enrollment year by year. The total enrollment in all branches of engineering has grown from 144 in 1936-37 to 207 in 1939-40.

TABLE 1
GEOGRAPHICAL DISTRIBUTION OF ENGINEERING STUDENTS
1939-40

North Carolina	54	Vermont	3
New Jersey	26	Washington, D. C.	3
New York	26	Cuba	2
Pennsylvania	20	Florida	2
Virginia	10	West Virginia	2
Illinois	9	Alabama	1
Connecticut	8	Canada	1
Maryland	8	China	1
Massachusetts	7	Delaware	1
Ohio	6	Georgia	1
Michigan	5	Louisiana	1
South Carolina	5	Missouri	1
Tennessee	3	Puerto Rico	1
<i>Total</i>			207

It is our desire to have as many as possible of our students residing in the engineering dormitory, Southgate. At the present time, this building is equipped to house 156 students of our total 207; in addition, it contains adequate social and game rooms, a photographic dark room, a gymnasium, and dining hall facilities. The renovation of this building is being carried out extensively, making Southgate as attractive as any of the dormitories on the West Campus.

The engineering students constitute a coherent group active in the work of the various professional societies and in campus affairs in general, having membership on the Men's Student Government Council and on the University Social Events Committee. Many of the individual engineers have distinguished themselves by winning membership in Phi Beta Kappa as well as in other honorary societies which represent specialized fields of study. Engineers were members of the varsity and the intramural teams, the band and the choir, and the Young Men's Christian Association, and contributed regularly to the various University publications.

The engineering honorary society, Delta Epsilon Sigma, functioned actively during the past year. The members of this society contacted Freshmen during the summer months either personally or by letter, and returned to the campus early in order to participate in the Freshman Orientation Program. Three national engineering societies, the American Society of Civil Engineers, the American Institute of Electrical Engineers, and the American Society of Mechanical Engineers, are represented by student chapters operating under national charters. These chapters and the Delta Epsilon Sigma Fraternity afford unusual opportunities for the members to present papers and to conduct discussions in certain phases of engineering not covered in the classroom.

The annual Engineers' Show, which was sponsored by the above-mentioned societies, was held on March 25-26, at which time it was estimated that twenty-five hundred people visited the various laboratories. A goodly number of high-school boys were our guests during the Show, as a result of special invitations that were issued to them. A preview of the Show was scheduled for the Faculty Club. It was very gratifying that over one hundred members of the Club attended. This was the first opportunity that many of these Faculty members had had to inspect our facilities. The rapid strides made by the College of Engineering during the past few years were clearly evidenced by the very favorable comments which were made by many of the visitors who had attended the Shows regularly.

The students have for several years expressed a desire for an engineering publication. Permission was therefore granted them last spring for the publication of a trial issue. The articles which appeared in this magazine were of such a valuable nature that our Executive Committee and the Publications Board approved the continuance of their efforts. The first move toward the organization of an engineering glee club was also started, with the formation of a double quartet. This idea was re-

ceived so favorably on the part of our students as a whole that plans are being made to expand this program, and also to form an engineers' orchestra.

The Engineering Alumni held their third annual Homecoming on November 18. The program included a business meeting, luncheon, and a tour of laboratories and other facilities. The graduates were very enthusiastic in regard to the set-up of the College of Engineering, and appreciative of the developments that have taken place. A large number of alumni attended this reunion, representing the states of Pennsylvania, Maryland, Virginia, New Jersey, West Virginia, New York, and North Carolina. Officers for the ensuing year were elected.

It is indeed gratifying to be able to keep in close contact with our alumni. Each year an increasing number of positions are offered to our graduates by the leading engineering concerns of the United States. For the past few years the demand for our graduates in these organizations has been so great that we have not been able to meet the needs of these firms.

W. H. HALL,
Dean.

THE GRADUATE SCHOOL OF ARTS AND SCIENCES

To the President of the University:

During the past academic year the Graduate School Council was re-organized and its membership expanded. An Executive Committee of the new Council was then organized, consisting of the Dean and six members of the Council appointed by the President of the University. The reorganization was effected in February, 1940.

During the year students of the Graduate School have had the advantages of the new dormitory and the new dining room. This has been a great improvement over the previous situation. An urgent need still remains for the provision of housing for married graduate students. The shortage of office space has reached an acute stage.

STATISTICAL DATA ON THE WORK OF THE GRADUATE SCHOOL

SUMMARY OF ENROLLMENT

Graduate students, Academic Year 1939-40	296
Graduate students, First Summer Term, 1939	869
Graduate students, Second Summer Term, 1939	392
Graduate students, Junaluska Summer School, 1939	17

<i>Total</i>	1,574
Deduct for duplications	344

<i>Total Enrollment</i>	1,230
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Duke University conferred the degree of Doctor of Philosophy upon twenty-three candidates at Commencement in June, 1940. The distribution according to departments was as follows:

Botany	2	Mathematics	5
Chemistry	5	Philosophy	1
Economics	1	Political Science	2
English	2	Psychology	1
Forestry	1	Zoology	3
<i>Total</i>	23		

The degree of Master of Arts was conferred upon one hundred and eleven candidates at Commencement in June, 1940, with departmental distribution as follows:

Bacteriology	1	History	14
Biochemistry	1	Latin	1
Botany	3	Mathematics	6
Chemistry	7	Philosophy	3
Economics	7	Physics	2
Education	26	Political Science	4
English	22	Psychology	2
Forestry	1	Religion	1
French	3	Sociology	1
German	1	Zoology	5
<i>Total</i>	111		

Master of Education degrees, June, 1940	68
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The growing recognition that graduate schools have as one of their major functions the training of college teachers is evidenced not only by the continued demand on the part of college administrators for men who are better trained than before for this purpose, but also by the interest which some of the foundations are showing. In the past, efforts to organize the work of graduate schools to perform this function has often shattered on the fear of the Faculty that any phrase such as "the training of college teachers" was a euphemism for requiring that courses in education be given to prospective college teachers.

In point of fact, a broad and deep cultural training, a large part of which should already have been acquired in undergraduate college, is the necessary foundation for carrying on research of high quality. Narrow and limited specialization without adequate cultural foundation is as poor a preparation for productive research as it assuredly is for college teaching. On the other hand, course work which excludes fundamental research likewise provides most inadequate training for those who expect to take up the responsibilities of college teaching. The Graduate School hopes to be able to carry on with increased energy a program of intensive research training established upon a solid cultural basis.

One phase of graduate work of great importance is the development of post-doctoral research training. A beginning has been made along this line through the Ethyl Dow Chemical Company Fellowship. This was established by a gift of the Ethyl Dow Chemical Company last June, to be used for a fellowship at Duke University for graduate work in chemistry.

During the academic year 1940-41, this fellowship will be for post-doctorate work in chemistry and will be awarded to Dr. Arthur Maryott, who will carry on work in physical chemistry. The stipend for the fellowship is one thousand dollars for the academic year.

Plans are being made to further this type of work in all possible ways. We expect to cooperate with the National Research Council during the coming year through its Participating Fellowships. These fellowships provide under certain circumstances for grants to instructors who may wish to combine research with part-time instruction.

Research in the Graduate School and in the School of Forestry has been greatly stimulated by the grant of a sum of forty-five thousand dollars by the General Education Board. This sum is to be used over a period of five years for a number of research projects of particular importance to the South. These projects are to be carried on by the Departments of Chemistry and Economics and by the School of Forestry. A number of the projects involve co-operative research by the Departments of Chemistry and Economics and by the School of Forestry and the Department of Economics.

CALVIN B. HOOVER,
Dean.

THE SCHOOL OF RELIGION

To the President of the University:

I have the honor to present the following report of the School of Religion for the year 1939-40, which is the fourteenth academic year of the School. The enrollment for the year was 109; in addition, 18 graduate students were registered in the Junaluska School of Religion of 1939 and 13 graduate students in religion enrolled in our classes and registered in the Graduate School of Arts and Sciences. A full statistical report is appended.

The formal opening exercises of the year were held in York Chapel, Thursday, September 28. The devotional exercises were conducted by the Reverend Andrew Jarvis Hobbs, the District Superintendent of the Durham District of the Methodist Church, and the address was delivered by Dr. William Franklin Stinespring, Associate Professor of Old Testament, on the subject "Old Testament Criticism, Archaeology and Religion."

The Library of the School of Religion has been enriched by the acquisition of one of the original copies (1611 edition) of the Authorized Version of the English Bible, often called the King James Bible. Considerable additions have been made to the Church History Department, especially of Quaker literature. Additions during the year provide the library now with a good working collection of the literature of medieval and modern mystics.

No additions were made in the Faculty during the year. Professor Branscomb was on leave of absence during the second semester. Dr. Outler was promoted to the rank and position of Assistant Professor of Historical Theology. At the celebration of the centennial of the founding of the School of Theology of Boston University, the University conferred on me the honorary degree of Doctor of Letters. A list of the publications of the members of the Faculty and their chief extramural activities during the year is appended.

The summer work of students receiving aid from the Duke Endowment for Aiding Rural Methodist Churches in North Carolina has been continued with satisfactory results. The following is a summary of their work for the summer of 1939: total number of sermons preached, 1,325; total number of pastoral visits, 7,807; number of community surveys made, 12; number of additions to the church by profession of faith, 427; number of additions to the church by certificate, 65; total number of additions to church membership, 492; number of training courses offered, 80; number enrolled in training courses, 1,795; number given certificates in training courses, 502; number of vacation schools conducted, 214; number enrolled in vacation schools, 9,271; number of instructors and helpers in vacation schools, 1,122.

The Phillips Brooks Club continued to prosper under the leadership of Professor Frank S. Hickman. He gave a series of lectures running through the year on the general subject "In God's Image." The average attendance was about forty-five.

The Junaluska Summer School of Religion and the Junaluska Summer School, with which it is affiliated, were continued successfully during the summer of 1939 under the efficient directorship of Professor Paul N. Garber.

The Alumni Association continues active in its campaign to secure a lectureship for the School of Religion. At its request those members of the School of Religion Faculty, who had not designated their donations to the University Centennial Fund for other projects, assigned them to the scholarship fund. The annual meeting of the Alumni Association was held during the North Carolina Pastors' School, June 6, 1940. The address was given by the Reverend E. H. Nease, Class of 1931, on the subject "The Life and Work of a Minister."

Thirteen years have elapsed since the first students graduated from the School of Religion. It is interesting to note the present occupation and location of the alumni of the institution. They are to be found in many parts of the world and are making their contributions through various channels of religious activity.

Three hundred and twenty of the former students of the School of Religion are pastors in the Methodist Church. They are represented in forty-one of the annual conferences, as follows:

Alabama 3, Baltimore 3, California 1, Central New York 1, Central Texas 1, Colorado 2, Des Moines, Iowa 1, East Oklahoma 2, Erie 1, Florida 8, Holston 10, Kentucky 1, Little Rock 4, Louisiana 3, Louisville 2, Memphis 9, Mississippi 2, Newark 1, North Alabama 4, North Arkansas 7, North Carolina 74, North Georgia 2, North Mississippi 4, North Texas 1, Northwest Texas 1, Peninsula 2, Pittsburgh 1, South Carolina 10, South Georgia 2, Southern California 1, Southwest Missouri 3, Southwest Texas 6, St. Louis 1, Tennessee 4, Texas 2, Troy 1, Upper South Carolina 11, Virginia 23, West Oklahoma 1, West Virginia 9, Western North Carolina 95.

Fifty-three School of Religion alumni are serving in pastorates of fourteen other denominations. They are represented as follows:

Baptist 21, Congregational-Christian 10, Community Church 2, Cumberland Presbyterian 1, Disciples of Christ 4, Free Will Baptist 1, German Reformed 2, Hebrew 2, Lutheran 1, Pentecostal Holiness 3, Presbyterian 3, Protestant Episcopal 1, Society of Friends 1, Unitarian 1.

The School of Religion has also made a contribution to the missionary personnel of the Methodist Church. There are nineteen missionaries from the School of Religion. Eight are in Japan, five in Korea, two in Brazil, two in Cuba, and one each in Congo and India.

Eighteen of the alumni are faculty members in the following educational institutions: Birmingham-Southern College, Brevard College, Catawba College, Coker College, Eastern Carolina Teachers College, Duke University, Emory University, Granberry College, Louisburg Col-

lege, Maryville College, Morris Harvey College, Queens College, Randolph-Macon Academy, Southern Methodist University, Southwestern University, and Yale University. Fifteen former students are now continuing their education leading toward the degree of Doctor of Philosophy. Ten graduates are serving as high-school teachers.

School of Religion alumni are represented in many other types of religious activity. Two are chaplains in the United States Navy, and another holds a similar position in the United States Army. Fifteen alumnae are now wives of preachers. Ten graduates hold connectional positions in the Methodist Church, such as executive secretaries and extension secretaries of boards of Christian education, missions, and church extension.

The religious life and interests of the students increased beyond the levels of the preceding year. Groups for the discussion of religious problems and for mystical worship were led by Dean Russell, Professor Hart, and Assistant Professors Petry and Outler. The "Morning Watch" in York Chapel at 8:50 daily was continued, and the regular assemblies at 12:30 P.M. on Mondays and Thursdays were well attended.

The Spring Retreat was held March 26-28 in York Chapel. Professor Hornell Hart gave five addresses on the general subject of personal consecration to Christ. The annual Fall Retreat was held in York Chapel, November 8-10, under the leadership of Dr. Rufus M. Jones, Professor-Emeritus of Philosophy in Haverford College. Classes were suspended for the two and a half days. In addition to Dr. Jones's five addresses, there were groups for discussion, personal consultations, and one forum.

The Forums were occasions of keen interest and contributed materially to mutual understanding between Faculty and students and to the preparation of the students for phases of the Christian ministry. The average attendance was fifty-two. The subjects and leaders were as follows:

- Dean Elbert Russell, October 2.
"The Young Minister and the International Situation."
- Dr. J. S. Bradway, October 9.
"Law and the Ministry."
- Dr. J. M. Ormond, October 30.
"Impressions of a Trip Through Europe."
- Dean James Taylor, November 6.
"Christianity and Race Relations."
- Dr. H. S. Smith, November 20.
"Christian Pacifism and Political Realism."
- Dr. J. H. Armbrust, December 14.
"The Minister in Probation Work."
- Dr. Abraham Cronbach, February 12.
"Modern Trends in Religious Thought."
- Dr. Daniel A. Poling, February 23.
"A Christian's Faith."
- Mr. Kirby Page, February 27.
"Basis for Christian Pacifism."

Dr. A. C. Outler, Dr. H. S. Smith, Dr. Hornell Hart, Dr. Ray C. Petry,
Dean Elbert Russell, March 8.
"Peace Panel."
Dr. Thomas A. Tripp, March 11.
"Rural Problems and the Church."
Dr. Hornell Hart, Dr. J. B. Rhine, March 18.
"Implications of E.S.P. for Religion."
Dr. Ray C. Petry, April 15.
"A Minister and His Education."
Mr. Roy McCorkel, April 25.
"World Mission of Christianity."
Dr. E. R. Groves, April 29.
"Minister and Marital Problems."
Dr. J. M. Ormond, Dean Elbert Russell, Dr. G. T. Rowe, May 8.
"Challenge of the Small Sects in the South."

The usual activities of the students in the community were carried out on a larger scale this year: religious services in the Duke Hospital and the Durham County Jail; cooperation with the Duke Legal Aid Clinic and the North Carolina Probation Commission, including a one-day institute on Probation and Juvenile Delinquency and one on Rural Life; and assistance in local Sunday Schools and young people's societies. Student representatives of the School attended the Fourth Annual Convocation of the North Carolina Council of Churches at Greensboro; the Student Christian Consultative Conference in Toronto; the Social Relations Conference at Payne College; the Southern Conference for Human Welfare at Chattanooga; and the annual conference of the Southern Interseminary Movement. The student publication *Christian Horizons* was continued on the high plane of excellence which it attained in its first year.

The number of students desiring advanced work and higher degrees in religion has shown a gratifying increase. While such students under our set-up are registered in the Graduate School of Arts and Sciences, the instruction is provided by the School of Religion, and they are significant of the growing scope of our work.

The School of Religion was favored with a number of visiting speakers and lecturers during the year, in addition to the University guest preachers. Among them were Mr. Roy S. McCorkel, representing the Interseminary Movement, April 25; Dr. Abraham Cronbach, of the Jewish Seminary of Cincinnati, Ohio, February 12, who gave two lectures on "The Social Outlook of Modern Judaism"; Reverend John R. Church, who spoke twice on February 15 on "Evangelism"; Reverend Kirby Page, who gave two addresses on "Christianity and War," February 27; Dr. Elmer T. Clark of the Board of Missions of the Methodist Church, who lectured March 25 on "The Psychology of the Small Sects and Its Implication for Evangelism"; and Dr. Thomas A. Tripp, Executive Secretary of the Town and Country Department of the Board of Home Missions of the Congregational-Christian Church.

The annual banquet of the School of Religion was held in the Social Room of the West Campus Union, April 18. The address was given by

President Henry N. Snyder of Wofford College on the subject "The Layman Looks at the Pulpit." On this occasion a campaign was launched to secure additional endowment for scholarships for the School of Religion. The campaign for five hundred thousand dollars is sponsored by a group of Methodist laymen and directed by Mr. N. Edward Edgerton with the active assistance of Professor Paul N. Garber.

The Faculty members engaged in a great variety of activities of churches and other religious organizations. Three members were representatives to the General Conference of the Methodist Church at Atlantic City, April 24-May 6, and five to the Southeastern Jurisdictional Conference at Asheville, North Carolina, May 22-27, 1940. Professor Garber was made a member of the Board of Publication of the Methodist Church and of the Commission on the Course of Study. He was also appointed secretary of the Methodist Ecumenical Council. Professor J. M. Ormond was elected a member of the Board of Missions and Church Extension. Professor Frank S. Hickman was appointed a member of the Federal Council of the Churches of Christ in America. Professor H. E. Spence is a member of the Board of Education of the Southeastern Jurisdiction.

Members of the Faculty are constantly in demand for sermons, and as lecturers and teachers in summer schools, training schools, local and intercollegiate student conferences, and as commencement speakers. A detailed list of these activities would exceed the limits of this report. Through these activities the influence of the School is constantly extended beyond the classroom and campus. Among those who have been most active in work of this kind are Professors Hornell N. Hart, Paul N. Garber, Gilbert T. Rowe, Jesse M. Ormond, and Assistant Professor Kenneth W. Clark.

PUBLICATIONS OF THE MEMBERS OF THE FACULTY OF THE SCHOOL OF RELIGION
DURING THE PERIOD JULY 1, 1939, TO JUNE 30, 1940

BRANSCOMB, BENNETT HARVIE.

Teaching With Books: A Study of College Libraries. New York and Chicago: Association of American Colleges and American Library Association, 1940. Pp. xi, 239.

DUBS, HOMER HASENPFUG.

"The Golden Man of Former Han Times," *T'oung Pao*, XXXIII (1937), 1-14, 191-192.

"Wang Mang and His Economic Reforms," *T'oung Pao*, XXXV (1939-40), 119-265.

"Chinese Histories and the First Dynastic History," *The South Atlantic Quarterly*, XXXIX (April, 1940), 185-194.

GARBER, PAUL NEFF.

"The Struggle for a Trained Ministry in the Methodist Episcopal Church, South," *Duke School of Religion Bulletin*, V (May, 1940), 31-41.

"School of Religion of Duke University," *Duke School of Religion Bulletin*, IV (Nov., 1939), 57-60.

"Ancient Messages for a Modern Methodism," *Nashville Christian Advocate*, CI (Feb. 16, 1940), 200-201, 206-207.

"Bishop Joshua Soule, Young Man from Maine," *Epworth Highroad*, IX (May, 1940), 4-5, 56.

"The Family of God in the Reformation," in symposium on *The Family of God*, pp. 42-46. Published by Commission on Course of Study of the Methodist Church, 1940.

HART, HORNELL NORRIS.

"Sorokin's Data Versus His Conclusions," *American Sociological Review*, IV (Oct., 1939), 635-646.

"The Culture-Complex Concept as a Research Tool," *Social Forces*, XVIII (Oct., 1939), 10-17.

MYERS, HIRAM EARL.

"Exposition and Explanatory Notes," a series of twenty-seven studies based upon the Gospel of Matthew, published in *The Church School Magazine*, LXIX, LXX (Oct., Nov., Dec., 1939; Jan., Feb., March, 1940).

OUTLER, ALBERT COOK.

"The Historical Approach to Theology," *Duke School of Religion Bulletin*, Winter Number, V (Feb., 1940), 1-8.

"Origen and the Regulae Fidei," *Church History*, VIII (Oct., 1939), 212-222.

PETRY, RAY C.

"Medieval Eschatology and St. Francis of Assisi," *Church History*, IX (March, 1940), 54-70.

RUSSELL, ELBERT.

"The Messages of the Prophets," twelve articles in *The Church School Magazine*, LXX (April, May, June, 1940).

SMITH, HILRIE SHELTON.

"Theological Reconstruction in Religious Education," *Christendom*, IV (Autumn, 1939), 565-574.

STINESPRING, WILLIAM FRANKLIN.

"Hadrian in Palestine, 129/130 A.D.," *Journal of the American Oriental Society*, LIX (Sept., 1939), 360-365.

"The Critical Faculty of Edward Robinson," *Journal of Biblical Literature*, LVIII (Dec., 1939), 379-387.

"Old Testament Criticism, Archaeology and Religion," *Duke School of Religion Bulletin*, IV (Nov., 1939), 61-69.

PAPERS AND ADDRESSES READ OR GIVEN BEFORE LEARNED AND
PROFESSIONAL SOCIETIES
1939-40

BRANSCOMB, B. HARVIE.

Society of Biblical Literature and Exegesis, Columbia University, Dec., 1939: "Form Criticism and Eschatology."

The College and Reference Section of the American Library Association, San Francisco, July, 1939: "Library Aspects of College Instruction."

CLARK, KENNETH W.

Society of Biblical Literature and Exegesis, Union Theological Seminary, Dec., 1939: "Realized Eschatology."

GARBER, PAUL NEFF.

The Association of Methodist Historical Societies, Atlantic City, N. J., April 30, 1940: "The Struggle for a Trained Ministry in the Methodist Episcopal Church, South."

The Annual Meeting of the Methodist Historical Society of New York City, March 7, 1940: "Methodist Portraits."

The Annual College of Preachers of the Methodist Church, Evanston, Illinois, Dec. 27, 1939: "The Family of God in the Reformation."

HICKMAN, FRANK S.

Southern Baptist Theological Seminary, Louisville, Ky., March 11-15. The Norton Lectures: "Christ Comes to His Own."

SMITH, H. SHELTON.

The International Council of Religious Education, Chicago, Feb., 1940: "New Theological Currents in Religious Education"; and "The Reconstruction of the Conception of Christian Evangelism."

The North Carolina Philosophical Society: "Liberal Christianity in America."

STINESPRING, WILLIAM FRANKLIN.

The American Oriental Society, New York, March 27, 1940: "Titus Tobler in Jerusalem."

SCHOOL OF RELIGION

STATISTICS

1939-40

ENROLLMENT

Men	109
Women	0
<i>Total</i>	109

DENOMINATIONAL AFFILIATION

The Methodist Church	95
Congregational-Christian	4
Baptist	3
Moravian	3
Protestant Episcopal	2
Church of the Nazarene	1
Presbyterian	1

COLLEGES AND UNIVERSITIES REPRESENTED

Duke University	17	Arizona State Teachers College ..	1
Wofford College	11	Berea College	1
Centenary College	5	Boston University	1
High Point College	5	DePauw University	1
Birmingham-Southern College ...	4	Evansville College	1
Elon College	4	Gordon College	1
Lenoir-Rhyne College	4	Hampden-Sydney College	1
University of North Carolina ...	4	Kentucky Wesleyan College	1
Catawba College	3	Lambuth College	1
Millsaps College	3	Louisiana State University	1
Moravian College	3	Lynchburg College	1
Wake Forest College	3	Marion College	1
American University	2	Olivet College	1
Asbury College	2	Randolph-Macon College	1
Atlantic Christian College	2	St. John's College	1
Davidson College	2	Southwestern University	1
Emory University	2	Tennessee Polytechnic Institute ..	1
Emory and Henry College	2	University of Arkansas	1
Hendrix College	2	University of Mississippi	1
Southern Methodist University ..	2	University of Richmond	1
Tulane University	2	University of Texas	1
University of South Carolina	2	William and Mary College	1
Allegheny College	1		

STATES REPRESENTED

North Carolina	51	Pennsylvania	2
Virginia	11	Georgia	1
South Carolina	9	Florida	1
Alabama	7	Illinois	1
Louisiana	6	Maryland	1
Texas	5	Massachusetts	1
Kentucky	3	New York	1
Mississippi	3	Oklahoma	1
Arkansas	2	Tennessee	1
California	2		

ELBERT RUSSELL,
Dean.

THE SCHOOL OF LAW

To the President of the University:

Permit me to submit the following report of the School of Law for the period from July 1, 1939, to June 30, 1940.

ENROLLMENT

For the past several years the enrollment of the School of Law has shown a moderate increase each year, with 123 registered for the year 1939-40 as compared with 114 for the previous year. The geographical distribution of students covers thirty-two states and Puerto Rico, 45 per cent coming from Southern states and approximately one fifth of the total number from North Carolina.

PUBLICATIONS

A gratifying increase in the circulation of *Law and Contemporary Problems* has taken place during the past year. In all, more than 7,200 copies of the periodical were distributed, approximately 3,300 going to regular subscribers, which include practically all of the good law libraries of America and more than 3,900 numbers having been sold on requests for single issues and bulk orders, thus giving the magazine a much wider distribution than if each number went only to regular subscribers. The regular subscription list has also shown a growth of from 783 to 825 subscribers. The subjects covered during the past year have been "Medical Care," "The Sherman Antitrust Act and Its Enforcement," "Federal Income and Estate Taxation," and "Railroad Reorganization." Three of the articles published were contributed by students of the Duke Law School.

The *Duke Bar Journal* as usual has issued two numbers containing accounts of the proceedings of its various meetings together with notes and comments by students upon recent noteworthy cases.

During the past year a number of requests have come from other schools for information concerning the Duke Bar Association. Aid has been freely given by the law students in setting up similar organizations elsewhere, patterned after the general plan of the Duke Bar Association.

FACULTY ACTIVITIES

Nearly all members of the Faculty have been engaged in writing and the publication of materials for law school study, and have been active in various professional associations.

Professor John S. Bradway has been Chairman of the Committee on Legal Aid Clinics of the Association of American Law Schools and has been active in many legal aid projects, both state and national. Among the publications that he has recently prepared are "Forms of Legal Aid

Organizations in Middle-Sized Cities and Smaller Communities," "Legal Aid Records and Standards" and "A Legal Aid Bibliography." He has also prepared a pamphlet on "Legal Aid Work and Social Agencies," and one on "Small Claims Courts" for the Public Administration Service of Chicago.

Professor David F. Cavers was granted a leave of absence for the school year 1940-41, to accept the visiting professorship on the John P. Wilson Foundation at the University of Chicago Law School. Professor Cavers will resume his teaching and his work as editor of *Law and Contemporary Problems* in September, 1941. During his absence, his work will be in charge of Professor Frank R. Strong of the Ohio State University College of Law. As visiting editor of *Law and Contemporary Problems*, Professor Strong will be in charge of the spring and summer issues of this quarterly in 1941.

Professors Elvin R. Latty and Douglas B. Maggs have each prepared in mimeographed form materials for the use of their students, the former in the course in Business Associations II and the latter in Constitutional Law.

In the Spring, 1940, issue of *Law and Contemporary Problems*, Professor Charles L. B. Lowndes contributed an article on "Tax Avoidance and the Federal Estate Tax."

Professor J. Douglass Poteat, with Professor Eugene V. Rostow, of Yale University, has written a casebook entitled *Cases and Other Materials on the Law of Debtors' Estates*, published by the West Publishing Company. The book has been adopted for use during the coming school year by many of the leading law schools.

Mr. William R. Roalfe has served as Chairman of the Association of American Law Schools' Committee on Cooperation with the American Association of Law Libraries and was also Chairman of the Joint Committee on Cooperation Between the Association of American Law Schools and the American Association of Law Libraries. This Committee has been formulating a comprehensive program for the improvement of the library service in the schools that are members of the Association of American Law Schools. He has also served as Chairman of the Special Advisory Committee on "Education for Law Librarianship" of the American Association of Law Libraries, and is continuing his work on the history of the American Association of Law Libraries which is to be published as a part of a volume on the history of the American Library Association.

Professor Paul H. Sanders was appointed a member of the Standing Committee on Unauthorized Practice of Law of the American Bar Association. He has acted as Vice-Chairman and Secretary of the Committee on "Education and Practice" of the American Bar Association's Section on Criminal Law. In this capacity, he has arranged for carrying out a survey of teaching of Criminal Law in American law schools. He has also served as Director for North Carolina of the Survey of Pro-

cedural Reform sponsored by the Junior Bar Conference of the American Bar Association and National Conference of Judicial Councils.

Professor Harold Shepherd as Secretary and President-Elect of the Association of American Law Schools has engaged in various activities connected with this Association. Among these may be mentioned a survey of the economic condition of Association schools; formulation of policy regarding the part-time law schools, with a study of the possibilities of consolidating schools in metropolitan areas and a regional development of their facilities; and participation in national conferences on accrediting sponsored by the American Council on Education.

Other members of the Faculty have participated in bar association and other professional activities through work on various committees and contributions to the programs of professional meetings.

LIBRARY

The Law Library now contains over sixty-five thousand bound volumes together with much valuable pamphlet material not to be found elsewhere. The need for space is acute, and already much of the material has had to be placed where it is not readily accessible. Space has been sought in other buildings for the storage of material that is only occasionally called for. Although such a solution of the Library difficulties would be unsatisfactory, even such an arrangement as this has not been possible. To discontinue the securing of library materials as they become available would irreparably injure this collection which is placing this Library among those of the better law schools of America. Some solution of this difficulty must be found in the near future.

More and more are the law students being treated on an individual basis, and the requirements for individual work are increasing. The promotion of this plan has taxed to the limit the facilities of the present library. More and more students are competing for the carrels in the stacks to permit them to gather and keep together materials on which they are working. Much more space is needed if this movement is to be encouraged, and it is in the individual development of its students that the Duke Law School has been a leader. It is the policy of the School to go much further in this direction whenever space will permit.

H. CLAUDE HORACK,

Dean.

THE SCHOOL OF MEDICINE

To the President of the University:

Since this is the tenth anniversary of the opening of the Duke University Schools of Medicine, Nursing, and Dietetics, and Duke Hospital, this report contains surveys of the past ten years by the department heads in addition to a record of the academic year 1939-40. This progress was made possible by the constant help and cooperation of President William Preston Few, whose death on October 16, 1940, was a great loss, not only to the University, but also personally to all of us.

On June 3, 1940, fifty-eight physicians were graduated, five of whom also received the degree of Bachelor of Science in Medicine. On October 3, 1940, sixty-five first-year students will be admitted. The latter were selected from five hundred completed applications.

We wish to record our sorrow over the death of Dr. Frank Hurd Robinson, Jr., on November 22, 1939. Dr. Robinson was graduated from the School of Medicine in 1935, and after four years of postgraduate hospital and laboratory experience had begun the practice of medicine at Jamestown, New York, two months before he was killed in an automobile accident.

Two hundred and four scientific contributions were published during the past year by one hundred and seven members of the Faculty and students. The greatly appreciated gifts and grants-in-aid in the attached list have made this research possible, and we hope that this support will be continued.

A Department of Neuropsychiatry, headed by Dr. Richard S. Lyman of the Phipps Psychiatric Clinic, will be started on September 1, 1940. It was made possible by the generous grant from the Rockefeller Foundation of \$175,000 distributed over a seven-year period. This appropriation, which was made on January 19, 1940, effectively supplements the gift of the Highland Hospital at Asheville, North Carolina, by Dr. Robert S. Carroll, acknowledged in the report last year.

The following new members have been added to the Faculty of the School of Medicine: Dr. R. Charman Carroll, Assistant in Neuropsychiatry; Dr. Herbert J. Fox, Instructor in Medicine; Dr. Maurice H. Greenhill, Associate in Neuropsychiatry; Dr. Hans Loewenbach, Assistant Professor of Neuropsychiatry; Dr. Richard S. Lyman, Professor of Neuropsychiatry; Dr. E. E. Menefee, Jr., Instructor in Medicine; Dr. D. Frank Milam, Associate in Preventive Medicine and Public Health; Dr. Talmage L. Peele, Instructor in Anatomy; Dr. Paul G. Reque, Instructor in Dermatology; Dr. William Schulze, Instructor in Medicine; Dr. R. Burke Suitt, Associate in Neuropsychiatry; and Dr. Daniel Joseph Sullivan, Instructor in Neuropsychiatry.

The following promotions were made: Dr. Lenox D. Baker and Dr. R. Beverly Raney from Instructor to Associate in Orthopaedics, Dr.

John E. Dees from Instructor to Associate in Urology, Dr. Henry I. Kohn from Instructor to Associate in Physiology and Pharmacology, and William S. Wallace from Instructor to Associate in Radiology.

The School of Medicine assisted the Summer School in holding the third annual School for Workers in Children's Homes and Orphanages from July 24 to August 12, 1939.

From July 31 to August 11, 1939, the Southern Institute for Hospital Administrators was held at Duke Hospital, under the sponsorship of the American College of Hospital Administrators, Carolinas-Virginia Hospital Conference, Southeastern Hospital Conference, University of North Carolina, and Duke University. The Institute was attended by administrators of seventy-two hospitals. In addition to seminars and discussions, a series of visits was made to other hospitals in Durham and in five other towns in North Carolina.

In cooperation with the medical faculties of the University of North Carolina and Wake Forest College, postgraduate clinics for colored physicians were held at Lincoln Hospital, October 16-18, 1939.

From October 19-21, 1939, the Sixth Annual Postgraduate Symposium was held. The subject was Diseases of the Lungs and Thorax. The following lecturers participated: Dr. Edward D. Churchill, Dr. Frederick T. Lord, and Dr. Maxwell Finland of the Harvard Medical School; Dr. Daniel M. Brumfiel, of the Trudeau Tuberculosis School, Saranac Lake, New York; Dr. Chester A. Stewart of the University of Minnesota School of Medicine; Dr. Edward N. Packard of Saranac Lake, New York; Dr. Cameron Haight of the University of Michigan School of Medicine; Dr. William DeW. Andrus of the Cornell University Medical College; Dr. Isaac A. Bigger of the Medical College of Virginia; Dr. Charles R. Austrian and Dr. William F. Rienhoff, Jr., of the Johns Hopkins University School of Medicine; Dr. Dickinson W. Richards, Jr., of the Columbia University College of Physicians and Surgeons; Dr. Stuart W. Harrington of the Mayo Clinic; Dr. Daniel C. Elkin of the Emory University School of Medicine; Dr. Gabriel Tucker of the University of Pennsylvania School of Medicine; Dr. George M. Cooper, Assistant State Health Officer, North Carolina State Board of Health; Dr. C. C. Carpenter, Dean and Medical Director of the Bowman Gray School of Medicine of Wake Forest College; Dr. Paul P. McCain, Director of the North Carolina Tuberculosis Sanatorium.

In addition to those at the Sixth Postgraduate Symposium, the following visiting lecturers have addressed the Staff and students during the past year: Dr. Thomas Addis (San Francisco), Dr. William Allan (Charlotte), Mr. F. O. Bowman (Chapel Hill), Dr. David F. Cavers (Duke University School of Law), Dr. Halbert L. Dunn (Washington, D. C.), the Hon. Carl T. Durham (Chapel Hill), Dr. John M. T. Finney, Jr. (Baltimore), Dr. Warfield M. Firor (Baltimore), Dr. Thomas Francis, Jr. (New York City), Dr. Wingate M. Johnson (Winston-Salem), Dr. Richard Kovacs (New York City), Mr. Leroy Lewis (Duke University), Dr. Douglas B. Maggs (Duke University School of Law),

Dr. Harold D. Meyer (Chapel Hill), Dr. Arthur T. Moore (Columbia, S. C.), Dr. Edward A. Schuman (Philadelphia), Dr. Charles L. Scudder (Boston), Dr. Arthur M. Shipley (Baltimore), Dr. Marvin A. Stevens (New Haven), Dr. Harvey B. Stone (Baltimore), Mr. Charles C. Thomas (Springfield, Ill.), Dr. Samuel A. Vest, Jr. (University, Va.), Dr. Mark V. Ziegler (United States Public Health Service).

On October 21, 1939, the Baltimore-Washington Dermatological Society met at Duke Hospital. Dr. J. L. Callaway was in charge of the program.

On November 1, 1939, eighteen medical students organized the Duke Medical Historical Society with meetings at which one of the members or a guest speaker discusses some phase of medical history.

On January 1, 1940, a field study of nutrition in rural communities under the direction of Dr. D. F. Milam was started with the cooperation of Drs. W. A. Perlzweig, W. J. Dann, J. M. Ruffin, D. T. Smith, G. S. Eadie, and others. It is supported by the Rockefeller Foundation, the North Carolina State Board of Health, and Duke University.

The School has been invited by the Surgeon Generals of the United States Army and Navy to assist in the National Defense Program, and the Sixty-fifth General Hospital is being organized by the Staff, graduates, and former interns. During the last war, the Base Hospital from North Carolina also was No. 65.

The new medical building, for which the Staff is grateful to the Trustees of the Duke Endowment and of Duke University, was completed on June 30, 1940. It provides eighty offices and examining rooms for the Medical and Surgical Private Diagnostic Clinics, accommodations for one hundred and seventeen private and semiprivate patients, and an enlarged dining room for the nurses.

School of Nursing. On March 16, 1940, forty-three first-year students of the School of Nursing completed their probationary period. On June 3, 1940, twenty-one nurses received the Diploma in Nursing, and nineteen of them also were awarded the degree of Bachelor of Science in Nursing. Fifty per cent of the pupil nurses admitted in 1939 have completed two years in Duke University or another approved college or university.

School of Dietetics. The training of dietitians and nurses, and the maintenance of the dietetic division of the Hospital have continued at their usual high level.

Duke Hospital. Christmas Day, when the census fell to 233, was the only time last year without a waiting list of patients. At other times, the number of patients seeking hospitalization has exceeded the facilities. The Hospital census has been as high as 433 with a daily average of 375. During the past year, the visits to the Public Dispensary increased 29 per cent to 85,536. These patients came from ninety-nine of the one hundred North Carolina counties and from twenty-five other states.

W. C. DAVISON,
Dean

GIFTS TO THE SCHOOL OF MEDICINE AND HOSPITAL, 1939-40, FOR WHICH THE
MEDICAL FACULTY EXPRESSES ITS THANKS

Anatomy:

\$412.60 for endocrine research, from the Schering Corporation.

Biochemistry:

\$2,900.00 for research on proteins, from the Rockefeller Foundation.

\$2,000.00 for research on proteins, from the Lederle Laboratories.

Physiology and Pharmacology:

\$5,000.00 for research, from the John and Mary R. Markle Foundation.

\$720.00 for research, from Mead Johnson & Company.

Supplies of Metrazol and Dilaudid from Bilhuber-Knoll Company.

Supplies of Sodium Sulfanilyl Sulfanilate and Sulfapyridine from the Lederle Laboratories.

Supplies of Coramine from Ciba Pharmaceutical Products.

Supplies of Sulfochrysoiden from the Winthrop Chemical Company.

Pathology:

\$2,930.00 contribution toward the work of the department by the Staff through private outside pathological diagnostic work.

Gifts of biological materials from Ciba Pharmaceutical Products.

Bacteriology:

\$3,000.00 for the study of fungi, from the John and Mary R. Markle Foundation.

\$1,000.00 for work on vitamin B₂ complex, from the Lederle Laboratories.

\$2,000.00 worth of staphylococcus antitoxin from the Lederle Laboratories.

\$1,000.00 for coramine studies from Ciba Pharmaceutical Products.

Medicine:

\$7,500.00 from the Anna H. Hanes Fund.

\$350.00 for animals, material, and technical assistance in the pharmacologic study of a second new barbituric acid derivative now known as Compound 33, and

\$130.00 for secretarial assistance concerning the clinical study of a new barbituric acid derivative "Delvinal," from Sharp and Dohme.

Supply of Sodium Sulfapyridine, from Calco Chemical Company.

Supplies of Sulfamethylthiazole, Sulfathiazole and Salyrgan Theocin Dragees, from the Winthrop Chemical Company.

Surgery:

To the Cerebral Palsy Clinic of the Orthopaedic Division:

\$5,000.00, anonymous.

\$100.00 from Mrs. John W. Hanes.

\$65.60 from the Newcomers Club, Duke University.

\$25.00 from Duke Hospital Auxiliary.

\$100.00 from Mrs. Ralph P. Hanes.

\$115.00 from Mrs. Frederic M. Hanes.

\$223.50 from Drs. Lenox D. Baker and R. Beverly Raney.

\$180.00 from Mr. and Mrs. W. W. Whybark.

\$80.00 from Mr. W. W. Michaux.

To the Nose and Throat Division:

Supply of Amniotin, from E. R. Squibb and Sons Company.

To the Urologic Division:

Supply of Sulfapyridine and Setazine, from Merck & Company.

Supply of Sulfapyridine, from the Lederle Laboratories.

Supply of Sulfathiazole, from the Winthrop Chemical Company.

Supply of Promine, from Parke, Davis & Company.

Supply of Benamide, from Sharp and Dohme.

Supply of Disulon, from Alba Pharmaceutical Company.

Ureteral catheters, from Bard and Company.

Urethral catheters, from Clay Adams Company.

For experimental work in General Surgery:

Amino acids for intravenous administration, from Mead Johnson & Company.

Sulfamethylthiazole for use in treating Staphylococcus infections, from the Winthrop Chemical Company.

For the Laboratory of Experimental Surgery:

\$8,000.00 from the Lederle Laboratories.

\$2,000.00 from the Calco Chemical Company.

\$4,200.00 from the National Cancer Institute.

\$38,740.85—addition to the Dorothy Beard Research Fund.

For the Private Diagnostic Clinic:

\$16,378.00 from the Department of Surgery.

Pediatrics:

\$400.00 for salaries and expenses of the Diagnostic Clinic from the Department of Pediatrics.

Supplies of Thiamin Chloride, Brewers' Yeast, Cod Liver Oil, Mead's Oleum Percomorphum and Olac, from Mead Johnson & Company.

Supplies of Spasmolytic, D.L. 219, Sulfapyridine, Sulfathiazole and vitamin B₆, from Merck & Company.

Supplies of Sulfamethylthiazole, Sulfathiazole and Torantil Tablets, from the Winthrop Chemical Company.

Evaporated milk from the Pet Milk Company.

Neuropsychiatry:

\$175,000.00 from The Rockefeller Foundation.

Obstetrics and Gynecology:

\$6,097.50 contributions.

\$4,234.01 for support of the Private Diagnostic Clinic.

\$22,552.96 worth of drugs from eight commercial drug firms.

\$7,000.00 cash grants from three commercial firms for fellowships in Endocrinology.

Social Service Division:

\$11,000.00 anonymous.

Mary Snow Bagby Fund:

\$375.00 from Dr. English Bagby and Mr. Charles T. Bagby.

Golden Cross Fund (1930-40):

\$7,308.00 from the North Carolina Conference of the Methodist Episcopal Church.

SCHOOL OF MEDICINE

1930-40

Since the completion of the medical building on July 21, 1930, all of us have made every effort to organize and conduct the School of Medicine in its triple function of instruction, research, and service to the community. The major events and the statistics of these first ten years are listed in the appended Tables 1 and 2, and Graph I.

TABLE 1
STATISTICS OF THE DUKE UNIVERSITY SCHOOLS OF MEDICINE, NURSING, AND DIETETICS, AND DUKE HOSPITAL, 1930-40

Year	1930-31	1931-32	1932-33	1933-34	1934-35	1935-36	1936-37	1937-38	1938-39	1939-40	Total 1930-1940
Medical Students.....	70	144	165	193	210	217	241	244	256	259	696*
Medical Graduates†.....	0	17(5)	14(3)	34(5)	48(8)	38(12)	54(6)	51(11)	60	58(5)	374(55)
Interns and Residents.....	16	33	41	57	69	64	71	80	85	86	312‡
Pupil Nurses.....	33	60	74	69	69	65	78	82	98	119	402§
Nursing Graduates||.....	.....	.....	14	22	19	15(1)	19(6)	18(19)	23(18)	21(19)	151(63)
Student Dietitians.....	1	3	3	4	4	4	4	4	6	6	39
Total Patients†.....	6,248	15,754	26,422	39,796	54,659	69,469	87,095	104,136	122,810	143,180	143,180**
Average Daily Patient Census.....	91	143	193	234	279	308	311	316	350	375	.....
Maximum Daily Census.....	.....	.....	.....	278	339	348	355	360	389	433	.....
Total Days of Hospital Care.....	42,269	60,362	69,521	78,103	92,336	109,150	113,654	115,474	127,710	137,307	945,886
Percentage of Part and Full Charity.....	62	65	79	76	66	68	64	56	56	52	.....
Total Visits in Public Dispensary.....	9,581	22,959	24,428	32,938	37,641	38,026	49,538	52,364	66,946	85,536	419,957
Scientific Publications by Staff and Students.....	33	38	41	45	56	62	87	124	126	204	816

*27 first-year, 5 second-year, and 64 junior students (total 696) were admitted 1930-39 inclusive from 6,986 applicants.

†The first figure indicates those who received the degree of Doctor of Medicine and that in parentheses those who also received the degree of Bachelor of Science in Medicine.

‡Total interns, assistant residents, and residents who have spent 1-7 years in Duke Hospital, 1930-40.

§Total first-year pupil nurses admitted 1930-39.

||The first figure indicates those who received the Diploma in Nursing and that in parentheses those who also received the degree of Bachelor of Science in Nursing.

¶These figures are cumulative; each new patient (Hospital, Public Dispensary and Private Diagnostic Clinics) is given a consecutive number which remains the same regardless of the number of times he or she returns to the Hospital.

*On July 21, 1940, the tenth anniversary of the opening of the Hospital, the 144,142nd patient was registered.

TABLE 2

CALENDAR OF THE FIRST TEN YEARS OF DUKE UNIVERSITY SCHOOLS OF
MEDICINE, NURSING, AND DIETETICS, AND DUKE HOSPITAL

1924-27

- Dec. 11, 1924—Indenture of Duke Endowment signed.
 Dec. 30, 1924—Trinity College became Duke University.
 Sept. 1, 1927—School of Medicine and Hospital Building started.

1927-30

- Original staff elected: F. V. Altvater (3/13/30), E. P. Alyea (5/17/29), H. L. Amoss (2/10/29), W. B. Anderson (5/11/29), Bessie Baker (4/29/29), R. D. Baker (5/26/30), Frederick Bernheim (6/30/30), M. L. C. Bernheim (9/1/30), Bayard Carter (1/3/31), E. B. Craven, Jr. (7/1/30), W. C. Davison (1/21/27), G. S. Eadie (5/22/30), W. W. Eagle (5/11/29), Judith Farrar (9/1/29), W. D. Forbus (3/11/29), C. E. Gardner, Jr. (7/1/30), F. M. Hanes (1/14/30), O. C. E. Hansen-Prüss (7/1/30), Deryl Hart (3/9/29), D. C. Hetherington (4/18/30), W. H. Hollinshead (4/18/30), Christopher Johnston (7/1/30), R. R. Jones, Jr. (7/1/30), F. D. McCrea (10/31/30), E. P. McCutcheon (5/24/30), Elsie W. Martin (5/27/29), Mary H. Muller (7/1/30), W. A. Perlzweig (4/30/29), E. L. Persons (7/1/30), F. Ross Porter (8/1/30), Mary A. Poston (7/1/30), R. J. Reeves (11/25/29), R. A. Ross (1/14/30), J. H. Ruffin (9/1/30), A. R. Shands, Jr. (9/28/29), D. T. Smith (4/14/30), Susan G. Smith (12/1/30), Mary H. Snively (9/22/30), Helen I. Stocksdales (7/1/27), Elizabeth G. Swett (9/1/30), F. H. Swett (3/12/30), H. M. Taylor (12/9/29), M. E. Winston (5/27/29).

1930-31

- July 1, 1930—School of Medicine and Hospital Building finished.
 July 2, 1930—Course for Hospital Administrators started.
 July 21, 1930—Hospital opened for patients.
 Aug. 15, 1930—First student dietitian admitted.
 Sept. 1, 1930—First meeting of the Executive Committee of the Faculty of Duke University School of Medicine.
 Oct. 1, 1930—First medical students admitted.
 Oct. 1, 1930—Course in X-ray Technology and Tumor Therapy started.
 Jan. 2, 1931—First pupil nurses admitted.
 Jan. 2, 1931—Course in Anesthesia started.
 March 6, 1931—Student Honor System started.
 April 15, 1931—Gift of Georgia Medical Society Library.
 April 20, 1931—Dedication of the School of Medicine and Hospital.
 April 29, 1931—Chapter of Alpha Omega Alpha installed.

1931-32

- Sept. 1, 1931—E. C. Hamblen, Angus McBryde, I. T. Reamer elected.
 Sept. 15, 1931—Private Diagnostic Clinic started.
 Oct. 7, 1931—Duke Hospital Auxiliary started.
 Jan. 5, 1932—Examinations of the National Board of Medical Examiners accepted in lieu of our written examinations.
 June 8, 1932—First medical students graduated.
 June 15, 1932—Nurses' Home completed.

1932-33

- Sept. 1, 1932—Macdonald Dick, J. W. Everett, D. S. Martin, D. H. Sprunt elected.
 Oct. 11, 1932—F. V. Altvater elected Acting Superintendent of Duke Hospital.
 Oct. 11, 1932—Course in Laboratory Technique started.
 Oct. 11, 1932—Outside Obstetric Service, Charlotte, North Carolina, started.

Feb. 1, 1933—Outside Pathological Service started.

April 20, 1933—Hospital flat rates and county contributory plan started.

June 8, 1933—First pupil nurses graduated.

1933-34

Aug. 5, 1933—Hospital Care Association started.

Sept. 1, 1933—R. S. Crispell, Anne Yates elected.

Sept. 15, 1933—Student Health Service reorganized.

Nov. 11, 1933—F. V. Altwater elected Superintendent of Duke Hospital.

June 5, 1934—Medical Library reading room opened.

1934-35

Sept. 1, 1934—T. W. Atwood, W. J. Dann, Harold Finkelstein, Walter Kemper, E. S. Orgain elected.

Oct. 12-14, 1934—First Postgraduate Symposium (Fractures).

Jan. 21, 1935—Student bookstore in Medical School opened.

Feb. 5, 1935—Student instrument rental plan started.

March 11, 1935—Hospital Saving Association started.

March 25, 1935—Last available hospital ward opened.

April 20-22, 1935—Survey of School of Medicine by A.M.A., A.A.M.C., and F.S.M.B.

1935-36

Sept. 1, 1935—J. M. Arena, N. F. Conant, T. B. Coolidge, W. McN. Nicholson elected.

Oct. 5, 1935—Tumor Clinic started.

Oct. 31-Nov. 2, 1935—Second Postgraduate Symposium (Gastro-enterology).

1936-37

Sept. 1, 1936—R. W. Graves, H. C. Mickey, J. E. Morgan elected.

Oct. 15-17, 1936—Third Postgraduate Symposium (Diseases of the Heart, Circulation and Kidney).

Jan. 2, 1937—Endocrine Clinic started.

1937-38

Sept. 1, 1937—L. D. Baker, J. W. Beard, J. L. Callaway, C. R. Erickson, C. B. Ferguson, Perry Gibson, J. S. Harris, H. I. Kohn, R. C. MacCardle, R. B. Raney, W. L. Thomas, Barnes Woodhall, K. A. Youngstrom elected.

Sept. 1, 1937—Social Service Division started.

Nov. 11-13, 1937—Fourth Postgraduate Symposium (Diseases of Women and Children).

Jan. 11, 1938—Duke Medical Society started.

Jan. 24-28, 1938—Symposium on Pneumonia.

March 9, 1938—Cerebral Palsy Clinic of Orthopaedic Division opened.

April 8, 1938—100,000th patient examined.

May 10, 1938—Animal quarters enlarged.

1938-39

Sept. 1, 1938—H. W. Brown, W. K. Cuyler, J. P. Hendrix, Hans Neurath, Grizzelle M. Norfleet, W. W. Wallace, N. B. Wise elected.

Oct. 1, 1938—Preventive Medicine and Public Health started.

Oct. 13-15, 1938—Fifth Postgraduate Symposium (Southern Medical Problems, and the Future of American Medicine).

Jan. 16-20, 1939—Symposium on Pneumonia.

March 24-25, 1939—Symposium on Syphilis.

April 18, 1939—Gift of Highland Hospital, Asheville, N. C., by Dr. R. S. Carroll.

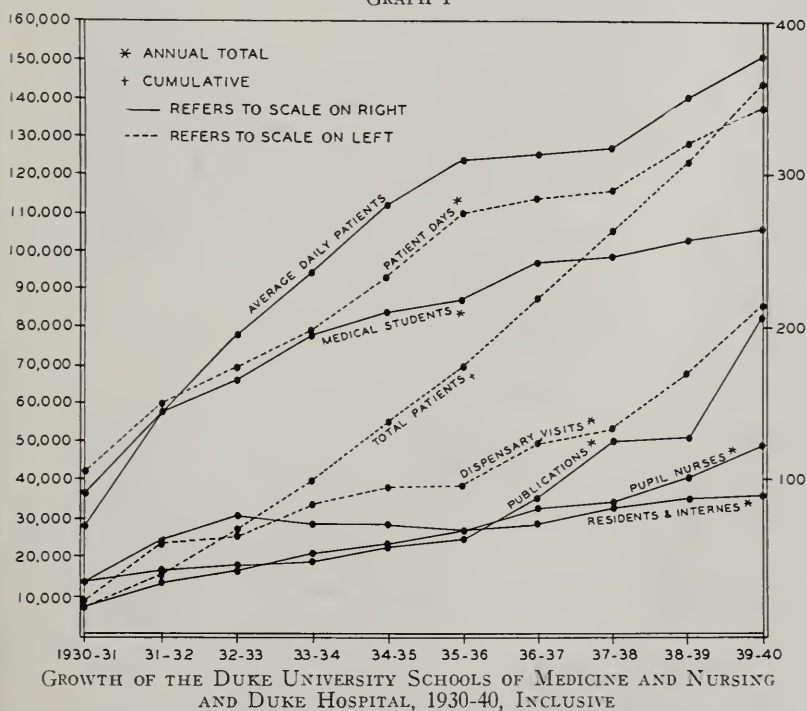
June 4, 1939—Presentation of Miss Bessie Baker's portrait.

June 11, 1939—Few Quadrangle opened for professional and graduate students.

1939-40

July 1, 1939—Course for Medical Record Librarians started.
 July 31-Aug. 11, 1939—Southern Institute for Hospital Administrators.
 Sept. 1, 1939—A. J. Baylin, R. L. Craig, J. E. Dees, S. C. Dees, W. D. Farmer, Philip Handler, J. R. Klein, R. S. Lyman, E. E. Menefee, Jr., T. L. Peele, Margaret I. Pinkerton, D. G. Sharp, A. R. Taylor, R. A. Arnold elected.
 Oct. 19-21, 1939—Sixth Postgraduate Symposium (Diseases of the Lungs and Thorax).
 Nov. 1, 1939—Duke Medical Historical Society started.
 Jan. 1, 1940—Field Nutritional Study by the Rockefeller Foundation, North Carolina Board of Health, and Duke University started.
 Jan. 19, 1940—Grant of \$175,000 by the Rockefeller Foundation for a Department of Neuropsychiatry.
 April 9, 1939—Ruth E. Barker elected chief of Social Service Division.
 June 30, 1940—New building for Private Diagnostic Clinics and Semiprivate and Private Patients opened.

GRAPH I

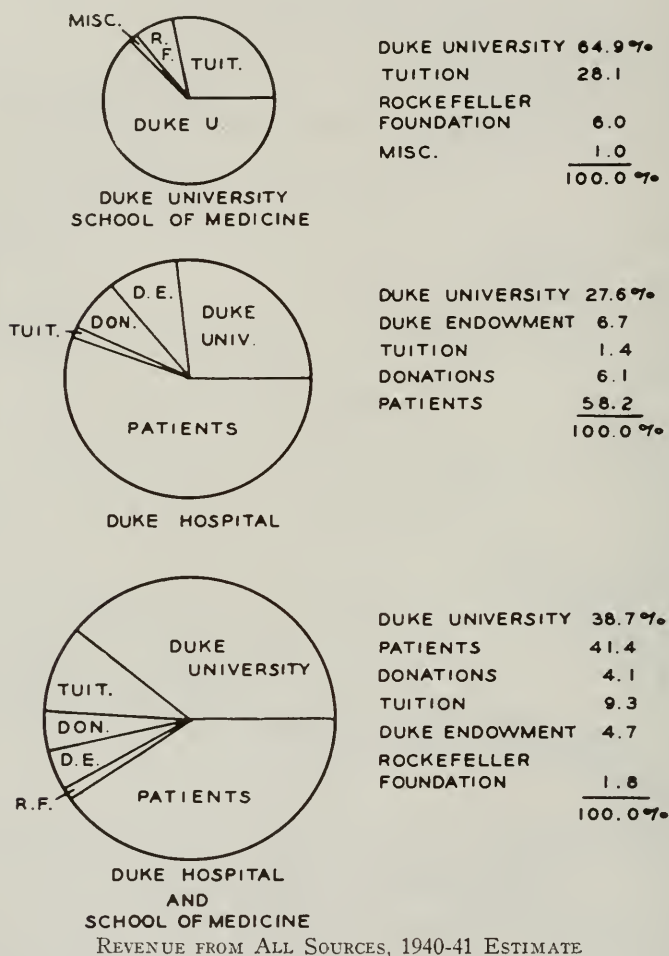


The School from the beginning has been approved as Class A by the Council on Medical Education and Hospitals of the American Medical Association, and is a member in good standing of the Association of American Medical Colleges.

Students. The status of the School will be judged, not by its Staff, buildings, and equipment, but by its product, namely, the type of physi-

cian graduated. Six hundred and ninety-six students, selected from 6,986 applicants, have spent one to four years here. Twenty-seven are women. Three hundred and seventy-four have been graduated, and one hundred and twenty-six have withdrawn for scholastic or other reasons. As shown in Graph II, for every dollar of the School costs, the students pay twenty-eight cents.

GRAPH II



These six hundred and ninety-six students attended two hundred and sixty-one universities and colleges. One third of them obtained all or part of their premedical preparation at Duke. Their homes were in forty-two states; those not represented were: Arizona, Montana, Nevada, New

Mexico, South Dakota, Wyoming. Fifty-two per cent of the students were born in the twelve Southern states, 25 per cent being from North Carolina.

Fifty-five medical students have been awarded the degree of Bachelor of Science in Medicine, in addition to the degree of Doctor of Medicine, for the completion of creditable investigative work, the preparation of an acceptable report of the investigation, and the passing of an examination upon the subject of the investigation before an advisory committee. A list of the subjects of these studies is appended (Table 3).

TABLE 3

GRADUATES OF THE DUKE UNIVERSITY SCHOOL OF MEDICINE WHO ALSO RECEIVED THE B.S. DEGREE IN MEDICINE FROM DUKE UNIVERSITY

NAME

SUBJECT OF THESIS

1932:

E. B. Brooks	Diphtheria in Cats.*
J. H. Cherry (with W. P. Frazer)	A Study of Cushny's Theory of Sulphate Diuresis. (Joint paper)*
W. P. Frazer (with J. H. Cherry)	An Observation of Kidney Function after Intravenous Injection of Sodium Sulphate. (Joint paper)*
Louie Pillemer (with J. E. Williams)	A Study of Crystalline Enzymes.
J. E. Williams (with L. Pillemer)	A Study of Crystalline Enzymes.

1933:

E. W. Brian (with M. C. Cobey)	The Intravenous Injection of Sodium Chloride.
M. C. Cobey (with E. W. Brian)	The Intravenous Injection of Sodium Chloride.
W. E. Sharpe, Jr.	The Action of Nicotine on the Intestines.*

1934:

J. W. Devine, Jr.	Red Blood Cells in the Cerebro-Spinal Fluid.
A. L. Joyner (with R. H. Rigdon and E. T. Ricketts)	A Study of the Action of a Filtrable Staphylococcal Toxin on the Kidneys of Normal Rabbits. (Joint paper)*
B. R. Kennon, III (with Mary E. Shipp and D. C. Hetherington)	A Study of the White Blood Cell Picture in Six Young Men. (Joint paper)*
D. F. Marion	The Effect of Alcohol on Spleen Volume.*
F. H. Robinson (with B. N. Miller, Jr.)	Experimental Studies of Cerebrospinal Fluid. (Joint paper)*

1935:

E. I. Bugg, Jr.	The Dehydrogenases of Animal Tissues of Various Species.
J. L. Callaway	Dorso-Lumbar Myelitis Due to Rabies Vaccine and Its Treatment.
Abner Gorfain	Time-Concentration and Relations of Histamine and Acetyl Choline on the Intestinal Muscles of the Guinea Pig.*
R. L. McMillan (with D. C. Hetherington)	Reaction of Some Rabbit Tissues to Graded Quantities of Trypan Blue. (Joint paper)*

* Published.

NAME	SUBJECT OF THESIS
B. N. Miller, Jr. (with F. H. Robinson)	Experimental Studies of Cerebrospinal Fluid. (Joint paper)*
O. P. Moffitt, Jr.	A Quantitative Study of the van den Bergh Reaction for Bilirubin in the Blood Plasma.
P. B. Parsons	The Inter-Actions of Sodium Dinitrophenoxide and Acetonitrile.
E. T. Ricketts (with A. L. Joyner and and R. H. Rigdon)	A Study of the Action of a Filtrable Staphylococcal Toxin on the Kidneys of Normal Rabbits. (Joint paper)*
<i>1936:</i>	
W. H. Bridgers	The Determination of the Estrogenic Activity in Pregnant Cow Urine.
L. V. D. Dill	Effect of Obstructive Jaundice on Blood Platelets of Rabbits.*
J. W. Edwards	Study of the Effect of Feeding Normal Gastric Juice to Pernicious Anemia Patients.*
T. A. Gonder, Jr.	Studies on the Blood Picture of Infancy.*
J. McK. Ivie (with J. W. Sachs)	Effect of Acid on the Guinea Pig Ileum Contracted by Acetylcholine and Histamine. (Joint paper)*
I. W. Kerner	A Shift in the Infant Mortality Rate in Durham, N. C.*
W. A. Leff (with R. H. Rigdon)	A Gastro-Intestinal Lesion Associated with Staphylococcal Infection in Man. (Joint paper)*
E. E. Menefee, Jr.	Acute Appendicitis in Childhood; Study of Cases Treated in Duke Hospital, 1930-1935.*
H. G. Morton	Central Action of Acetylcholine.*
J. W. Sachs (with J. McK. Ivie)	Effect of Acid on the Guinea Pig Ileum Contracted by Acetylcholine and Histamine. (Joint paper)*
G. M. Stroud (with F. H. Robinson)	Laughlen's Test for the Serodiagnosis of Syphilis. (Joint paper)*
H. F. Swingle, Jr.	The Evaluation of Gastric Analysis.*
<i>1937:</i>	
G. J. Baer	The Effect of Epinephrine on Splenic Motility.
H. M. Horack	Effect of Artificial Fever on Experimental Rabies. A Study of Encephalitis and Rabies Vaccine.*
L. E. Lee, Jr.	A Practical Classification of the Monilias.*
D. W. Martin	Bactericidal and Fungicidal Effect of Ultra-Violet Radiation.*
R. M. Perry	A Study of Typhoid Immunization.*
J. G. Whildin	The History of the Treatment of Skin Cancer.
<i>1938:</i>	
J. R. Black, Jr. (with F. M. Woolsey)	Vitamin C Deficiency and Intestinal Fusospirochetosis. (Joint paper)*
C. W. Camalier, Jr. (with D. H. Sprunt)	The Effect of Circulating Toxins on the Lungs. (Joint paper)*

* Published.

NAME	SUBJECT OF THESIS
W. R. Haas (with J. E. Jacobs)	A Case of Acute Staphylococcic Osteomyelitis and Staphylococcemia Treated with Staphylococcus Antitoxin and Prompt Surgical Drainage. (Joint paper)*
H. H. Kuhn (with Doris L. Surles)	The Action of Various Members of the Morphine Series and Emetine on the Choline Esterase of the Brain. (Joint paper)*
W. J. McAnally, Jr. G. C. Newman	Excretion of Urinary Porphyrins. The Effect of Sodium Iodide on the Body Weight, Testes, and Seminal Vesicles of Mice.*
J. S. Raper	Studies on the Relationship of the Sex Hormones to Infection.*
T. G. Schnoor	The Occurrence of Monilia in Stools.*
D. L. Surles (with H. H. Kuhn)	The Action of Various Members of the Morphine Series and Emetine on the Choline Esterase of the Brain. (Joint paper)*
C. S. Whitaker	The Hemolytic Action of Toluylenediamine in Vitro.
F. M. Woolsey, Jr. (with J. R. Black, Jr.)	Vitamin C Deficiency and Intestinal Fusospirochetosis. (Joint paper)*

1940:

I. W. Brown, Jr.	The Effect of the Ingestion of Cinchophen on the Blood Picture of Dogs Maintained on Normal and Deficient Diets.
C. C. Collins, Jr. (with H. P. Steiger)	Sensitivity to Dust.
H. P. Steiger (with C. C. Collins, Jr.)	Sensitivity to Dust.
R. W. Finner	Sterilization of Evaporated Milk.
W. R. Nesbitt, Jr.	Pharmacology of Vanadium and Vanadium Complexes.

(Total 55, 1932-40) (29 published; 12 joint papers; 17 individual papers.)

Of the three hundred and seventy-four graduates, two hundred and nine are still interns and residents in various hospitals. Eighty per cent of the graduates have spent more than the required two years in postgraduate hospital training.

Of the one hundred and sixty-five graduates, who have completed their hospital experience, 40 per cent are in general practice (Table 4).

TABLE 4

TYPE OF PRACTICE OF THE 165 PRACTICING GRADUATES OF THE
SCHOOL OF MEDICINE, 1932-37

General Practice (40%)	Orthopaedics (3%)
Internal Medicine (9%)	Otolaryngology and Ophthalmology (3%)
General Surgery (7%)	Ophthalmology (alone) (1%)
Army (6%)	Navy (2%)
Pediatrics (5%)	Obstetrics and Gynecology (2%)
Public Health (4%)	

* Published.

Psychiatry (2%)	Industrial Medicine (1%)
Radiology (2%)	Missionary (1%)
Urology (2%)	Neurology (1%)
Anatomy (1%)	Pathology (1%)
Bacteriology (1%)	Pharmacology (1%)
Dermatology (1%)	Tuberculosis (1%)
Gastro-enterology (1%)	Veterans Administration (1%)
Hospital Administration (1%)	

The remainder are distributed among twenty-five different specialties, the larger number being in Internal Medicine, Surgery, Pediatrics, Public Health, Orthopaedics, Otolaryngology and Ophthalmology. Fifteen of the ninety-eight specialists, also, are teaching in this and other medical schools. As a result of the present crisis, the number who hold Army or Navy Commissions is growing rapidly.

These graduates are practicing in thirty-two states and one foreign country (Table 5). Graduates tend to return to their own states to prac-

TABLE 5

GEOGRAPHICAL DISTRIBUTION OF THE 165 PRACTICING GRADUATES OF THE SCHOOL OF MEDICINE, 1932-37

Alabama (3)	Fort Bragg (1)
Arizona (2)	Goldsboro (1)
California (6)	Greensboro (3)
Colorado (1)	Greenville (1)
Connecticut (1)	Hendersonville (1)
District of Columbia (8)	Lenoir (1)
Florida (8)	Liberty (1)
Georgia (2)	Lumberton (1)
Illinois (3)	Pinehurst (1)
Indiana (1)	Raleigh (1)
Kentucky (2)	Reidsville (1)
Louisiana (1)	Rocky Mount (1)
Maine (1)	Roxboro (1)
Maryland (2)	Sanatorium (1)
Massachusetts (3)	Smithfield (1)
Michigan (3)	Statesville (1)
Minnesota (1)	Stoneville (1)
Mississippi (3)	Valdese (1)
Montana (1)	Winston-Salem (3)
New Jersey (9)	Ohio (2)
New York (13)	Oklahoma (1)
North Carolina (48)*	Pennsylvania (6)
Asheboro (1)	South Carolina (5)
Asheville (1)	Tennessee (1)
Burlington (1)	Texas (4)
Burnsville (1)	Utah (1)
Candler (1)	Virginia (12)
Chapel Hill (1)	Washington (1)
Charlotte (5)	West Virginia (6)
Cooleemee (1)	Panama (2)
Durham (12)	Korea (2)
Fayetteville (1)	

* In addition, 38 (25 per cent) of the 153 former members of the Resident Staff of Duke Hospital, who were graduated from other schools, are practicing in fourteen towns in North Carolina, making a total of thirty-seven towns in the state with one or more Duke graduates or former interns--Baden, Buxton, Henderson, High Point, Lexington, Plymouth, Wadesboro, and Wilmington are towns with former interns, in addition to Chapel Hill, Charlotte, Durham, Greensboro, Raleigh, and Winston-Salem.

tice; e.g., of the Duke graduates, who were born in North Carolina, 67 per cent have located in the state. A medical school increases the number of physicians practicing locally; e.g., 21 per cent of the Duke graduates were born in North Carolina, but 29 per cent of them are practicing in twenty-nine towns in North Carolina, i.e., 14 per cent of the Duke graduates who were born in other states have located in North Carolina. Twenty-five per cent of the Duke graduates are in ten other Southern states, a total of 54 per cent practicing in the South, representing a distinct contribution toward the dearth of Southern physicians, a problem mentioned later in this report.

Illness among medical students, physicians, and nurses, because of their long hours of work and constant exposure to disease, usually is a serious problem. The health record of the Duke medical students is better than the average. Only three students have died—Eli Primack from heart disease on November 24, 1934; Gunther Blombach from a brain tumor on October 10, 1936; and James O. Fulton from nephritis on October 19, 1939. Two, Dr. Kenneth B. Rothey and Dr. Frank H. Robinson, Jr., have died from accidents since graduation. To their families the Medical Faculty expresses its sincerest sympathy. Tuberculosis, a scourge of medical schools, has developed in less than 2 per cent of our students: in five students before graduation and in six graduates. The health record among the four hundred and two pupil nurses also has been good. No deaths and only three cases of tuberculosis have occurred.

The Four-Quarter System used in the clinical years has enabled 56 per cent of the students to receive the M.D. degree in less than the usual four calendar years. Twenty per cent of the graduates completed their required courses in three and one-quarter years, 20 per cent in three and one-half years, 16 per cent in three and three-quarter years, and 44 per cent in four years, depending on whether they utilized one or more of the summer quarters. There are obvious advantages to the student in studying during the summer quarter: He is younger at graduation and has additional time for hospital or other training; he is better prepared, since he has not lost several weeks in October getting back into the intellectual stride which had been his in the preceding June, and he has seen the clinical material peculiar to the summer. Practically all medical students work during their summer holidays, either studying medicine somewhere or earning money. Spending this time under supervision in the four-quarter system improves the character of the training of the former; and those who usually are employed during their summer vacations, can earn more later in the corresponding period of time which they save under the four-quarter system. Those who must be absent one or more quarters through illness can take up their work at the beginning of the next clinical quarter, and not lose a whole year, as is necessary in other schools. The total of eight weeks vacation which every student has under the four-quarter system should be sufficient for recreation.

The three hundred and twelve interns and residents, who have spent one to seven years in Duke Hospital in the past ten years, are in every

sense graduate students, who are receiving instruction as well as gaining experience. Forty-three per cent of the Resident Staff were graduated from Duke and 57 per cent from forty-six other medical schools. A hospital, like a medical school, increases the number of physicians practicing in the state; e.g., of the one hundred and fifty-three former members of the Duke Hospital House Staff, who were graduated from other medical schools, thirty-eight, or 25 per cent, have located in fourteen towns in North Carolina, making a total of thirty-seven towns in the state with one or more Duke graduates or former interns.

Postgraduate Study. The School of Medicine is not limited to the training of its own students and Staff, but extends to the members of the medical profession the benefit of everything that it has. Graduates in medicine are welcomed especially at the various clinics and demonstrations in medicine, surgery, obstetrics, and other specialties, which are held from 9 A.M. to 12:30 P.M. each Saturday and at the clinical-pathological conferences at 5 P.M. on Fridays. Postgraduate internships, for one or two weeks, are available to physicians in practice. No fees are charged; room and board can be obtained for ten dollars a week. Each October for the past six years, a three-day postgraduate symposium has been given at Duke. During the past ten years 243 visiting lecturers have given clinics and lectures at Duke Hospital, to which the medical profession has been cordially invited. Through the cooperation of the medical schools of the University of North Carolina, Wake Forest College, and Duke University, two-day postgraduate clinics have been given each year at the Lincoln Hospital, Durham, for the colored physicians of the state. This year, through the cooperation of the State Board of Health, the School of Public Health of the University of North Carolina, and the Children's Bureau, five-day courses in Obstetrics and Pediatrics for general practitioners are being given every week at Duke Hospital.

The Honor System was approved by the medical students on March 6, 1931, and they were given authority to dismiss or otherwise discipline any student whom they found guilty of violation of the Honor Code. During the past nine years, the medical students have accepted their responsibilities courageously and have made their decisions justly. The Honor System as conducted by the Medical Students' Honor Council has contributed greatly to the progress of the School.

Examinations of the National Board of Medical Examiners were adopted in lieu of our own written examinations on January 5, 1932. All our students take Part I, the six preclinical examinations, in their sixth quarter and Part II, the five clinical examinations, at the end of their twelfth quarter. Although not required, most of the students also take Part III, which is the three-day oral clinical examination given after the completion of one year's internship, and which permits medical practice in forty-two states on payment of a reciprocity fee. The advantages of this plan are twofold—the students are able to practice medicine in forty-two states without the usual additional state medical

board examinations, and the Faculty is able to compare all of our students with many of the better students of other medical schools. Dr. Wiley D. Forbus, Professor of Pathology at Duke, has been elected a member of the National Board.

Alpha Omega Alpha. A chapter of this honorary fraternity was installed at Duke on April 29, 1931, with the following charter members: Drs. H. L. Amoss, Bayard Carter, W. C. Davison, Deryl Hart, A. R. Shands, Jr., and Messrs. J. M. Arena, G. W. Heinitsh, and J. L. Lovejoy. The following Faculty members were instrumental in organizing the chapter: Drs. E. P. Alyea, C. E. Gardner, Jr., O. C. E. Hansen-Prüss, Christopher Johnston, and E. L. Persons. In 1933 Drs. T. D. Kitchen, W. deB. MacNider, W. S. Rankin, and H. M. Vann were elected honorary members. In addition to the three student charter members above, the following students have been elected: 1932: J. L. Callaway, G. W. Joyner, C. F. Montgomery, Jerome Gaskell; 1933: R. W. Graves, E. F. Parker, Jr., P. G. Reque, J. L. Hutchison, J. E. Williams, R. L. McMillan, T. L. Peele, E. B. Easley; 1934: C. T. Wood, E. W. Brian, R. Z. Query, Jr., E. N. Scadron, E. M. Rucker, B. R. Kennon, III, J. S. Baker, J. M. Jones, H. S. Munroe, Jr.; 1935: C. F. Leach, B. N. Miller, R. K. Shields, R. B. Stith, D. F. Marion, William Schulze, H. F. Swingle, G. T. Harrell, Jr., J. B. Stevens; 1936: E. E. Menefee, Jr., C. P. Stevick, Vince Moseley, B. M. Shinnors; 1937: R. D. Adams, H. I. Harvey, H. M. Horack, Socrates Rumpalos; 1938: R. R. Carter, A. J. Gill, D. C. Gill, W. R. Haas, W. F. Hollister, I. S. Ross, E. R. Troxler, J. M. Vanhoy, W. L. Wells; 1939: J. M. Douglas, C. A. Munroe, J. A. Wadsworth, K. D. Weeks, I. B. Wexler; 1940: I. W. Brown, R. Brown, J. W. Kelley, G. H. Kostant, R. W. Rundles, W. L. Venning, Jr.

The plan for the rental of microscopes and other equipment, required of all medical students, was approved on February 5, 1935. It has been admirably administered, and the students are enthusiastic about it. By means of this plan, each student is provided with new, approved equipment for his work in the School. The items are issued as needed and include the following: microscope, substage lamp, stethoscope, reflex hammer, Tycos (sphygmomanometer), hemoglobinometer, hemocytometer, lancet, whetstone, steel tape, flashlight, ophthalmoscope and otoscope, tuning fork, and leather bag. A fixed rental price is paid each quarter the student is registered in the School. During that time all equipment remains the property of the University and may be removed from the School or Hospital only by special permission. When the student is graduated, he may take possession of all the equipment which has been issued him upon payment of a small balance to complete the cost to the University. If he leaves before graduation, all equipment must be returned to the University in good condition. Rarely, and under certain special conditions, the student may secure possession by a single cash payment of the total balance due. Each student is required to have all the equipment listed above, but he need not get it on the rental plan

unless he so wishes. Any item secured elsewhere must be approved by the Equipment Rental Committee.

Regional Representatives. The help of fifty-two physicians and surgeons in centers throughout the country has been of inestimable value in the selection of students. They have given freely of their time in interviewing over one hundred candidates annually.

Medical Fraternities. From 1930 to 1937, five fraternities established chapters with rooms provided by the School. During the past three years, Phi Chi, Phi Beta Pi, and Theta Kappa Psi have become inactive, but Alpha Kappa Kappa and Nu Sigma Nu are now maintaining quarters in the Few Quadrangle.

Gifts. During the past ten years, in addition to very welcome and generous appropriations from Duke University and the Duke Endowment, \$1,347,482.00 for research and other problems has been contributed by the following donors, to whom all of us express our gratitude: Alba Pharmaceutical Co., American Cyanamid Co., American Medical Association, Ayerst, McKenna & Harrison, Dr. English Bagby, Mr. Charles T. Bagby, Dr. L. D. Baker, Bard & Co., Dorothy Beard Research Fund, Bilhuber Knoll Co., Calco Chemical Co., Carnation Milk Co., G. W. Carnick Co., Charity League, Mr. Thurmond Chatham, Ciba Pharmaceutical Products, Clay Adams Co., Cutter Laboratories, Dr. W. J. Dann, Duke Hospital Auxiliary, Duke University Newcomers Club, General Education Board, Golden Cross Society of the M. E. Church, Mr. Bowman Gray, Mr. Robert A. Green, Dr. and Mrs. F. M. Hanes, Mrs. John W. Hanes, Mrs. Ralph P. Hanes, Mr. Robert M. Hanes, Mr. A. P. Harris, Hoffman-La Roche Co., Independent Aid, Inc., Dr. Walter Kempner, Lederle Laboratories, Dr. R. M. Lewis, Eli Lilly & Co., John and Mary R. Markle Foundation, Josiah Macy, Jr., Foundation, Mead Johnson & Co., Mengel Co., Merck & Co., Mr. W. W. Michaux, National Cancer Institute, Miss Grizzelle M. Norfleet, Parke, Davis & Co., Pet Milk Co., Dr. R. B. Raney, Rockefeller Foundation, Schering Corporation, Sharp & Dohme, Mr. Raymond Smith, E. R. Squibb & Co., Upjohn Co., Mrs. Amelia McAlister Upsher, Valentine Meat Juice Co., Westinghouse Co., Mr. and Mrs. W. W. Whybark, Winthrop Chemical Co., John Wyeth & Bro. All of us hope that we may merit and receive continued and increased financial assistance from these and other donors.

Future Problems. Even though there are still certain changes and additions necessary to give a well-rounded medical unit, mentioned later in this report, our position in medical education is becoming more firmly established, and the needed facilities can be added when funds become available. While our primary objectives must always be improvements in the methods of disseminating medical knowledge and additions to the science of medicine through research activities, these can be accomplished only in conjunction with the maintenance of the highest type of clinical work, which forms the foundation for both.

An index of this work may well be the demands which are placed

upon us by applications of both students and patients. While all demands do not have to be met (selection being preferable to volume output), it is probable that certain changes, additions, and adjustments will be needed in order that we may have progress instead of stagnation. With this in mind the Clinical Staff is making a yearly contribution toward a fund for such a purpose, being mindful always that quality as contrasted to quantity must prevail. At the same time we should not lose sight of the fact that the amount of clinical material now available has enabled us to grow by the development of a co-operative arrangement whereby the patient, his friends, or local welfare agencies bear part of the expense. The wider our zone of influence and the more indispensable we can make our services for the care of the unusual medical conditions, the greater the cooperation we can expect from such sources.

The Survey on April 20-22, 1935, by the Council on Medical Education and Hospitals of the American Medical Association with the cooperation of the Association of American Medical Colleges and the Federation of State Medical Boards, which ranked the sixty-six American four-year medical schools on the basis of ninety-six criteria, was very helpful in showing us our weaknesses as well as encouraging us in our attainments. The evaluation of the data placed Duke among the best 25 per cent of the medical schools, which, though flattering for a school which had been organized only five years, is not good enough. It has made us realize that greater efforts are necessary for improvement. A school which does not go forward soon deteriorates. Only by increasing the quality and quantity of our research and scientific interest can the Faculty of Duke University School of Medicine be stimulating to the students as well as to each other. Recognition of the School and Hospital will depend mainly upon three factors: research, students, and care of patients. Apparently the two latter are satisfactory, and although our standard of research is creditable, we must raise it, a problem which is later discussed in detail.

War. Universal military training and the possibility of war will affect medical education. As mentioned elsewhere, the Staff, graduates, and former interns are organizing the Sixty-fifth General Hospital, and the number of graduates entering the Army and Navy is increasing rapidly. Judging by the experience of World War I, the needs of an increased Army Medical Corps may require the admission of larger classes. The addition to the curriculum of training in military medicine may be necessary.

The future of medical practice must be considered in any report on medical education. Medicine is constantly changing. As a matter of fact, more progress has been made in the present century than in the preceding forty. Not only are medical methods being improved, but the distribution of medical service is being broadened. One third of the population still has inadequate medical care—sometimes through poverty and sometimes through ignorance of what medical service to obtain and of how and when to get it. The gradual expansion of health departments;

county medical care; clinics; mental, tuberculosis, orthopaedic, and general hospitals is making medical care available if the public will seek it. The problem of medical schools is to train physicians for this service.

Frequent statements are made that the curriculum of one school is too theoretical while that of another is splendidly practical. As a matter of fact, the instruction in any medical school represents a compromise between the practical methods which can be carried out in general practice without elaborate equipment, the more modern procedures which require a hospital, and an "open mind" toward new discoveries. Medical students should be subjected to influences which arouse their "spirit of inquiry." Medical education needs "this spirit and habit of curiosity. The success of the teacher is largely dependent upon his ability to incite and foster this spirit of inquiry, and his function is that of a piloting agent who offers the opportunity for the student to learn, for unless the latter soon acquires this questioning habit of mind, he will go through the course of instruction in a somewhat blind way, learning ultimately tricks of medical diagnosis and therapy, but without essential understanding of the true function of a student of medicine." Students should be encouraged to undertake supervised research, a field in which the degree of Bachelor of Science in Medicine, mentioned elsewhere, has been helpful, in the hope that a few of the more inquisitive may pursue independent research. This goal is only possible if the Staff is dissatisfied with our present medical ignorance and is imbued with a thirst to explore the frontiers.

Medicine probably is the only field today in which a well-educated graduate is sure of making a living. Except for crowding in the large cities, there is no unemployment problem for American medical graduates. In the South, the ratio of physicians is 69 per cent lower than in the North. In some Southern counties, the ratio of physicians to population is as low as 1:4,000, although 1:1,000 is considered necessary, especially in rural communities. The South will not get its physicians by migration; the students should be Southern, and to get country doctors it must be possible for students from the rural communities to study medicine. The country lawyer, the country preacher, the country banker and businessman, as the country doctor, do not go from cities; they come from the country. Graduates tend to return to the environment to which they are accustomed. For example, 83 per cent of the country students at one medical school returned to rural practice, and 80 per cent of the urban youths later practiced in the city.

Loan Funds. Rural students rarely are wealthy or have resources for raising money. Probably the best way by which a sufficient number of country students can attend medical school is through loan funds, which can be repaid over a period of years, thus becoming available for future students. Scholarships do not create in graduates a healthy sense of obligation toward their community and university. The Angier B. Duke Memorial Loan Fund has enabled practically every Duke medical student to continue his education. During the past ten years, one hundred and

ninety-five medical students, or 30 per cent of the enrollment, have borrowed \$117,125 in amounts of \$150 to \$1,500. Six per cent interest is charged on the unpaid balance. The maximum length of these loans is eleven years, i.e., three years in medical school, two years in internships, and six years in instalment repayment. These loans to medical students were made from 1930 to 1940, and thus most of them have several years before being due. During this period, \$31,899 has been repaid on the principal and \$25,169 was paid as interest.

General Practice. The answer to the question, "Is the general practitioner doomed?" is "No," and that to the query, "Is the medical profession overspecialized?" is "Yes." Forty per cent of our present graduates are in general practice, and it is believed that the number is increasing. A well-trained general practitioner can and does successfully treat over 80 per cent of disease; and since his volume enables him to treat his patients at a lower cost, the public needs and wants more general practitioners. The fact that 75 per cent of the present American medical graduates are, or plan to be, specialists who are needed by less than 20 per cent of the patients is an indication not only of the overcrowding of the specialties, but also of the urgent need and wide-open opportunities for general practitioners. This plethora of specialists has caused such competition and crowding that in many Southern communities the financial rewards of general practitioners, with their reduced competition, are higher than those of specialists. In addition, the decreased number of general practitioners and the increasing average age of those left, have greatly intensified the public's need for good general practitioners.

The general practitioner needs a sound scientific background as much as, if not more than, other physicians, so that he may be capable under all circumstances of advising the family whether the patient needs to consult a specialist. A rural physician needs a more prolonged training than a city practitioner, for he must be able to meet his problems unaided. All graduates, and especially those desiring to enter general practice, should spend at least two years in hospital work. This is required of all Duke graduates, and 80 per cent of them have spent more than this minimum. Duke Hospital is making a contribution to the training of general practitioners by adding to its "straight" internships in other fields, a combined obstetric-pediatric internship of one year.

The distribution of physicians and that of hospitals are mutually dependent. The former rarely will practice and remain in a community without the latter, and a hospital without adequate medical personnel is not a hospital, but a somewhat dangerous hotel. The establishment and maintenance of rural hospitals in North and South Carolina with the aid of the Duke Endowment not only is improving medical service in the country, but also is attracting young medical graduates there—a great contribution to medical education and service.

Present Needs. Increased support in: ophthalmology, nursing education, neuroanatomy, neurophysiology, obstetrics and gynecology; a new

nurses' home so that the present building can be used for an interns dormitory; an additional obstetric delivery room; provision for the isolation of infected obstetric and gynecologic patients; a cyclotron; another elevator; enlargement of the animal quarters; a university or hospital laundry; a separate building or soundproofing for the ice machinery of the Hospital; rerouting of the road in front of the Hospital, to divert the increasingly dangerous traffic; a lunch and waiting room; and more parking space for the patients and their relatives.

All of us greatly appreciate the help given by all members of the Faculty, Administration, and Trustees of the University and of the Duke Endowment, and realize that the growth of the Schools and Hospital has been the result of their cordial cooperation. The Staff, graduates, and students recognize that the progress of the first ten years can be maintained only by continued cooperation and more intensive work; and, as described in the following reports by the heads of the several departments, every effort is being made toward this goal.

W. C. DAVISON,

Dean.

TEACHING AND RESEARCH IN THE SCHOOL OF MEDICINE 1930-40

Among the many harsh realities of life, none is harsher than the fact that a tree is judged by the fruit it bears. In this tenth year of the existence of the Duke University School of Medicine, it is proper, then, that we should examine the fruits which it has borne.

The functions of a medical school are two: the training of physicians, and the addition of knowledge to our rich heritage from the past. Teaching and research are inseparable functions, for without a spirit of research, teaching becomes formal and sterile. As Osler emphasizes in one of his essays, research is the leaven that leavens the whole lump of medicine.

Few things are more difficult for a teacher to evaluate than the quality and effectiveness of his own teaching. Unless he is hopelessly obtuse he will frequently experience a poignant sense of futility. Examinations do not help much and are justly regarded as necessary evils; for the results of good teaching are intangible and impossible to record. The spirit is far more important than the word. To develop in the student's mind a scorn of intellectual dishonesty, a contempt for cant and hypocrisy; to arouse and stimulate his curiosity; to show by precept and example that the frank admission of error is the beginning of medical wisdom; to imbue the student with a sense of his obligations to the noblest of all professions—things like these may live when the teacher's words are long forgotten. After all, the fruits of good teaching can be judged best by those who have been taught, and the character of a medical school must depend upon the eventual accomplishments of its graduates.

Within the past quarter of a century the growth of medical research in United States and Canada has been truly remarkable. Since the era of incredible depravity, so clearly portrayed in the Flexner report upon medical education published by the Carnegie Foundation in 1912, both teaching and research in America have made such notable advances that one may say today that American medicine occupies a position surpassed by that of no other country. During times like these, when financial solvency seems to arouse in our heavy thinkers a suspicion of depravity, let us physicians not forget that this happy result is due in large part to the benefactions of men like James B. Duke. From the beginning, Duke University School of Medicine also has been aided by grants from funds supplied by the Rockefeller family, and only recently generous aid from this same source has made possible the establishment of a Department of Neuropsychiatry. Good medical education never can be cheap, and research always will be expensive. We can only hope that these two functions, so essential to human happiness, will not suffer too much in a world now dominated by brutality, and guided by the will of men who deny the very ideals which medicine holds dear.

The output of scientific work from the School during the past decade has been reasonably satisfactory. There is a marked tendency on the part of some to criticize severely the number of medical publications and to decry the formidable volume of current medical literature. It is unnecessary to state that quality bears no relation to quantity, but the editors of our best journals are not devoid of all critical acumen, and the acceptance of a paper for publication attests, at least, that it possesses sufficient merit to distinguish it among the mass of material offered.

With the above remarks in mind, it is of some interest to find that during the past ten years eight hundred and sixteen papers and six books have been published by the Staff of the School of Medicine. When it is recalled that during the first five years, the urgent problem which confronted the Staff was the founding of a medical school which would rank with the best, scientific productiveness cannot be said to have been neglected. During the past decade, the annual number of publications has increased from thirty-three to two hundred and four, and the number of authors of these papers has risen from twelve in 1930 to one hundred and seven in 1940. Some members of the Staff have written three or four papers annually, while others have compiled one every three or four years. Writing, however, is not necessarily indicative of investigative ability or even of research activity. Paucity of publications may not be due to sterility of thought, but perhaps to a desire for perfection. In spite of this creditable record, all of us feel that more investigative activity is essential to the successful future of the School. The spirit of inquiry is vital and must be encouraged. The problem of research, however, is a highly individual one: it is not every man's meat, and a school is fortunate indeed that develops even a few men who are capable of doing research work of the first order. It is encouraging to note how many publications have borne the names of our students.

To enumerate in detail the various research projects that have been pursued would prove tiresome; it will suffice to indicate those which the heads of departments regard as most important.

The research activities of the Department of Anatomy have resulted in publications dealing with a variety of subjects. Among the chief interests may be listed blood, bone marrow, and connective tissue cell morphology and reactions; cellular reactions to low temperatures; experimental embryology, neuroanatomy, neurophysiology, including the development of behavior; placental anatomy and physiology; regeneration; reproductive cycle as affected by light; and tissue culture studies on many types of cells including the glia.

Biochemistry touches every field of medicine. The work of the biochemists has been, and is, stimulated and enlivened by the relations of constant give and take which has developed with workers throughout the School and Hospital. This spirit is in true keeping with the place which biochemistry occupies in respect to medical science. Publications from the Department have covered a wide field. Studies of the mechanism of alcoholic intoxication; of the physical chemistry of proteins, viruses and immune bodies; of intracellular and tissue oxidations; of the toxemias of pregnancy; of acetanilid and bromide intoxications; of proteins in health and disease—these will indicate the scope of the Department's research activities.

Bacteriology and Medicine are departments so intimately related that their problems are often identical. Their research projects originate in the clinic and frequently are pursued jointly. Thus studies of fungus infections, of endocarditis, of brucellosis, of pneumonia—to mention only a few examples—could have been made only through cooperative effort. Especial emphasis has been laid upon the clinical and bacteriological investigation of brucellosis, and interesting relationships between Hodgkin's disease and brucella infection have been uncovered. Studies of deficiency states, especially of pellagra and sprue, have occupied workers in both departments. With the aid of the Warburg technic, numerous studies have been carried out upon blood-cells, tissue-cells, and bacteria under various experimental conditions.

In the Department of Obstetrics and Gynecology numerous studies have been published upon the toxemias of pregnancy, on genital infections in the female and upon genital cancer. Especially interesting are the studies by workers in this department in sex-endocrinology, much of which was recently embodied in a most comprehensive and informative monograph by a member of the Staff.

Publications from the Department of Pathology reflect a wide diversity of interests. Investigations have been conducted upon the pathology of staphylococcus infections upon the kidneys and vascular system; upon the relation of sex-hormones to infection, with special reference to viruses; upon the pathology of the human brucellosis and its possible relation to Hodgkin's disease, and upon the pathology of fungus infections.

From the numerous publications by the Staff of the Department of Pediatrics only a few of the more interesting will be mentioned. The

epidemiology of brucellosis in children has been investigated. A comparative study of celiac disease and sprue has been made in cooperation with the Department of Medicine. Other publications have concerned themselves with cerebral vascular lesions accompanying sickle-cell anemia; with salicylate and lye poisoning; with the acetylation of sulfanilamide *in vitro* and with the formation of an oxidizing agent *in vitro* by surviving tissues and sulfanilamide.

The development of certain technics for the study of cellular enzymes has opened a new approach to the study of the interaction of various drugs with cell catalysts *in vitro*. Members of the Department of Physiology and Pharmacology have been very active in this field. Investigations upon the action of drugs on the isolated intestine and spleen; upon the pharmacology of nicotinic acid; upon alcoholic intoxication and upon the use of artificial fever in rabies have been published. Other studies have concerned themselves with the effect of nicotinic acid upon the co-enzymes of the blood and with the effects of oxygen when given intravenously. In nutritional studies, the Department has been very active, especially in the investigation of experimentally produced deficiency states in animals and their relation to pellagra, as well as the mode of action of nicotinic acid. The interest of the School in deficiency states and problems of nutrition has culminated in a joint study by the North Carolina Board of Health and the Rockefeller Foundation upon the nutritional status of the population of this section. This study is being made at Duke Hospital, with the aid and supervision of members of the Staff.

The publications from the Department of Surgery, as from other clinical departments, reflect a very proper interest in the problems arising from the study and treatment of the sick. A serious surgical problem always is wound infection, and this has been investigated with notable success. After a meticulous and prolonged study of the possible sources of wound infection, it was determined that in any operating room, the members of the operating staff were alone responsible, the air being contaminated from their infected upper respiratory passages. The problem having been thus simplified, it was solved by the use of ultra-violet radiation as a means of air sterilization. The result of these studies has been the introduction of a new operating-room technic, which has reduced wound infections to the possible minimum, and seems destined to influence surgical technic throughout the world. Further studies upon the treatment of empyema by irrigation and suction; upon the treatment of peripheral vascular diseases; upon various problems in urology, the more recent of which have been upon the therapeutic action of the various sulf-drugs. In Experimental Surgery, the Staff has been concerned with studies on the ultracentrifugal purification of animal viruses and investigations of their chemical, physical, and biological properties. This fundamental work upon the viruses is shedding light upon one of the last strongholds of infection. The most important problem in infectious diseases today is the treatment of the numerous and serious diseases due to virus infection.

F. M. HANES.

SCHOOL OF NURSING
1930-40

The School of Nursing has made a very creditable record, through the untiring efforts of Miss Bessie Baker, the first Dean, who also has contributed more than anyone else to the present excellent status of the Hospital. Because of ill health, Miss Baker retired last year.

Since the admission of the first class of pupil nurses on January 2, 1931, a total of four hundred and two students have spent one to three years here. One hundred and fifty-one have received the Diploma in Nursing, and sixty-three also have been awarded the degree of Bachelor of Science in Nursing. One hundred and seventy-seven have withdrawn for scholastic or other reasons. Seventy-eight, or 50 per cent of the graduates, are practicing their profession in the Southern states. Of these, seventy-one are in North Carolina. Forty-two, or 28 per cent, have married.

Honor Students of the School of Nursing. The following graduates received an average grade of 90 or above in theory and practical work during the course of three years: 1934: Gladys Brinkley; 1935: Frankie Humphrey, Maud Hollowell; 1936: Sara Elizabeth Strother; 1937: Margaret Peele, Virginia McDavid, Leta Marr; 1938: Maud M. Adams, Iris Rabb; 1939: Ruth Alexander, Ida Applewhite, Rebecca Atzrodt, Margaret Castleberry, Ruth Barton, Winifred Maxwell; 1940: Margaret Allan, Carl Denyse Bryant, Antoinette G. Makely, Elizabeth H. Wilkinson.

Future of Nursing. During the past generation it has become increasingly evident that graduate nurses, in order to carry out modern treatment intelligently and accurately, must have a sounder scientific background. The "university" or collegiate school of nursing in contrast to the "hospital" or practical school of nursing therefore has arisen. The present problem is to retain the best features of the older practical training and to combine with them the newer scientific and theoretical instruction. Obviously a modern nurse cannot assist in the operating room without a knowledge of bacteriology and anatomy, or care for patients on the medical wards and give complicated treatments without a sound training in pharmacology and chemistry. Equally obviously, she cannot nurse patients safely without practical nursing experience. This practical nursing experience, if adequately supervised, has great educational value to the pupil nurse. However, beyond the point at which the pupil nurse becomes skilled in nursing procedures, this practical experience also becomes of financial value to the hospital in providing free nursing service. One of the greatest problems is deciding where the educational value ceases and the exploitation of unpaid pupil nurses begins. It is unsafe to provide inadequate practical training and unfair to exact too much. Duke is attempting to combine the better features of the university and the hospital schools of nursing.

M. I. PINKERTON.

SCHOOL OF DIETETICS
1930-40

Graduate students, whose previous training in foods and nutrition is acceptable, are eligible for the certificate of graduate dietitian after one year of applied nutrition in the School of Dietetics. The entrance requirements are those prescribed by the American Dietetics Association, and the content of the course at Duke Hospital is approved by the same organization.

The School has trained student dietitians to cover the following responsibilities: (1) ordering, storage, and issue of food and dietetic supplies; (2) supervision of employees who are preparing and serving food; (3) service of special and routine diets; (4) making of menus for all units; (5) setting up of an auditing system that will anticipate the food cost per menu item before service of the planned menus; (6) teaching nurses the theory back of selecting foods for patients who can eat normally or are on a limited food intake; (7) teaching nurses how to apply this theory to daily menus; and (8) teaching patients on special diets to take care of their own food at home and how to report their intake when they return for frequent check-ups in the medical clinic.

In addition to the training of student dietitians and nurses, medical students are taught the content of definite amounts of the common foods, noting the distribution of protein, fat, carbohydrate, minerals and vitamins as well as other factors which will limit the food prescriptions as ordered by physicians.

Since the admission of the first student dietitian on August 15, 1930, thirty-nine have completed the course. Twenty-eight of them are dietitians in hospitals in this and ten other states. Fourteen, or 36 per cent, have married.

E. W. MARTIN.

DUKE HOSPITAL
1930-40

Ten years ago today, the first patient, an apparently dying infant, was treated in Duke Hospital. Her complete and unexpected recovery may have been a happy omen, since the growth of the Hospital has exceeded everyone's anticipation. Seventeen patients were admitted that first day. By the fourth day, the Hospital census was fifty; by Armistice Day, 1930, it was one hundred, and it reached its peak of four hundred and thirty-three on May 3, 1940.

The 100,000th patient was examined on April 8, 1938, and on the tenth anniversary of the opening of the Hospital, the 144,142d patient was registered. Many of them have made repeated visits to the Hospital, which are not included in this total. During these ten years, 3,662 infants have been born in the Hospital, and 44,171 operations have been performed. Nearly one million days of hospital care have been given. This huge teaching laboratory of the School of Medicine not only has

affected the vital life processes of its 144,142 patients, but through their relatives and friends who have visited them while they were in the Hospital, has come in intimate contact with over one million people.

Fourteen per cent of the patients come from a radius of twenty miles, and the remainder from the other ninety-nine North Carolina counties and thirty-six other states. The average distance traveled by each patient is seventy miles. As shown in Graph II, for every dollar of the Hospital costs, the patients pay fifty-eight cents, clearly demonstrating the eleemosynary character of the institution.

The above figures adequately answer the query, "Will Duke Hospital, in a city of 50,000, have sufficient patients for a medical school?" which was frequently heard in 1927, while the Hospital was being built. It was pointed out at that time that the population within a fifty-mile radius of Durham was five hundred thousand and within a hundred miles it was over one million, that the famous medical schools of Heidelberg, Marburg, Jena, and Bonn were in towns smaller than Durham, and that patients could be more easily and more safely transported seventy miles over the good North Carolina highways than across New York or Philadelphia. As a matter of fact, the clinical material at Duke not only has been adequate in quantity, but it is more varied than that of most other medical schools. In New York, Philadelphia, Chicago, and Baltimore the interesting clinical problems are divided among numerous teaching hospitals and clinics, which do not exist in these Southeastern states; consequently, many of these patients gravitate to Duke Hospital.

Duke Hospital has every modern convenience for the diagnosis, proper care, welfare and comfort of the patients, both private and charity, white and colored, whether they come from Durham or from a distance. It has 604 beds, including 50 bassinets for newly born infants. Medicine, including dermatology and neurology, has 75 ward beds; surgery, including urology, otolaryngology, ophthalmology and orthopaedics, 143 ward beds; obstetrics, including gynecology, 56 ward beds and 50 bassinets; psychiatry 23 beds, and pediatrics 52. There are 205 private rooms and semiprivate cubicles, 7 operating rooms, and 4 obstetric delivery rooms. Offices and examining rooms for the members of the Medical Faculty are located in the new addition to the Hospital.

Duke, as well as the other hospitals in North and South Carolina, is providing sound medical and surgical treatment; but the really unique contribution, which is not duplicated elsewhere in this area, is the diagnostic service of the Duke Dispensary and the Duke Diagnostic Clinics. It is now possible for physicians in general practice in this and surrounding states to obtain help in their diagnostic problems, not only for patients who can pay and who formerly were sent to Baltimore and Philadelphia, but also for the far greater number who have no financial means.

The Public Dispensary provides diagnostic service for patients who cannot pay the usual fees of consultants. In the one hundred and thirty-one examining and treatment rooms, an average of four hundred pa-

tients per working day are examined by members of the Hospital Staff, which comprises eighteen specialties. During the past ten years, approximately one-half million visits have been made. The Public Dispensary charge is from \$1.00 to \$5.00 for the first visit to any department, plus the actual cost of x-rays and other materials used. For the return visits, to the regular clinics, the rate is from twenty-five cents to seventy-five cents for consultation or completion of examination; and \$1.00 for patients who have not been instructed to return, but who do so on their own initiative. In order to cooperate with the medical profession, anyone who wishes to attend the Public Dispensary should consult and bring a letter from his or her own physician. If physicians will make appointments in advance for their patients, troublesome delays can be avoided.

The Private Diagnostic Clinic is an important contribution to medical service. It was begun on September 15, 1931, separated into medical and surgical divisions, and expanded in January, 1938, and adequately housed in the new wing of the Hospital in July, 1940. This division was organized to coordinate the diagnostic studies, and to give better care for the complicated problems arising in the examination of private patients. The Clinical Staff of Duke Hospital and School of Medicine forms the professional staff of the Clinic, while the financial side is handled by a business manager. It has acquired an enviable reputation for excellent private diagnostic service at moderate cost. In addition, it has made possible the organization of a clinical staff beyond that provided by University funds.

Hospital Rates. The general policy of admitting patients to the Public Dispensary and Wards is to consider carefully their financial and social status; income and size of family, special responsibilities, and the probable cost of treatment, all being weighed in determining admission. A married patient, for instance, with an income of less than \$15 per week is considered admissible to the Public Wards or Public Dispensary for ordinary conditions; the income limit, of course, varying according to the other factors which affect the patient's financial status. The actual cost to the Hospital for ward care is over \$5 daily; but in order to meet the greatly increased demand for charity work, Duke Hospital on April 20, 1933, adopted the co-operative plan of paying half the cost, provided the patient's local welfare department co-operated by paying the other half. This is done in accordance with Mr. Duke's wish that the communities share, with the Duke Endowment, the burden of charity patients, instead of either carrying all of it. Nearly all of the counties are now cooperating with this plan. Seventy-two per cent of the patients pay less than cost, and the contributions of their friends, their counties, and the Duke Endowment and Duke University provide nearly half of their expenses (see Graph II). By having every patient contribute in accordance with his means, the balance given in charity or less-than-cost service has been spread over a larger number of people. Instead of giving complete and pauperizing charity care to four thousand patients.

the Hospital has been able to assist approximately thirteen thousand individuals annually to obtain medical care for which they could not pay the full cost.

In 1933 the inclusive or flat rate also was adopted. This replaced with a single charge the usual room rate plus an indefinite number of extra charges over which the patient had no choice nor control. It has smoothed out the erratic and unpredictable nature of hospital charges for the patient, and is being used by an increasing number of hospitals. It also has made it possible to estimate, in advance, the probable cost of hospitalization and to adjust the bill to the patient's resources. This policy of basing the rate upon the amount the patient can pay, rather than on the actual cost like a hotel, has enabled many who, under the former system, unnecessarily were objects of charity, to maintain their self-respect by contributing a fixed sum within their means. As an additional result of this inclusive rate system, the x-ray, pharmacy and various laboratory and procedural divisions of the Hospital have increased in size and quality, and have secured lower unit costs. The patient has been greatly benefited; there is no test or procedure needful to his medical service which is not given him. The inadequacy which often exists for x-rays, laboratory tests, and special procedures throughout the country is eliminated at Duke. Naturally, the services of its physicians gain remarkably in general effectiveness. Of recent importance is the present experiment in intensive nursing being conducted on one of the new wards of the Hospital. If successful, the need for special nursing by those unable to afford its relatively high cost will be largely obviated. The fact that the room rates include these extras should be remembered when comparing the charges at Duke with those of other hospitals.

Relations with the Medical Profession. The following statement made at the 1927 meeting of the North Carolina Medical Society is again emphasized: "There are at least six factors which are essential for the success of a medical school and hospital—the buildings, the staff, the students, the type of teaching, the service to the community, and last, but not least, the cooperation of the members of the profession in the State. It is the great desire of everyone connected with Duke University so to carry out the plans for the first five of these essentials that the sixth one, namely, the cooperation of the medical profession, will be merited. Any suggestions which will increase the service of this school to the State will be more than welcomed."

This present report of the work done during the past ten years is made with the hope that suggestions and criticisms, which are welcomed, will improve the service of Duke Hospital to the public and medical profession, as the Staff is making every effort to cooperate with them. Each patient is furnished with a "Confidential Form" on which criticisms can be made anonymously. The fact that less than 1 per cent of these returns contain complaints is flattering, but the suggestions received have been more helpful than the compliments. The Hospital seems to be filling a need in this area, and has been commended by the public, as well as

being approved for internships and residencies by the Council on Medical Education and Hospitals of the American Medical Association, and by the American College of Surgeons.

The favorable omen of the recovery of the first patient has been repeated so often that at times the humanitarian results of the Hospital have bulked larger to some of us than its primary aim of the training of excellent doctors. But since the Hospital would not be worth while without its good staff, so later hospitals will be in difficulties if good doctors are not available. The first purpose must always be to teach, and to teach excellence of service. It would seem superficial if we were to attempt the satisfaction of all the present needs of the people for medical service unless we provided equally well for later peoples with adequate numbers of good physicians.

The Duke Hospital Staff also has been helpful in community and state medical problems, and has cooperated with the county and state medical societies and boards of health. Numerous papers have been presented and clinics held. During the past year, the Duke Staff has assisted the county medical society with a series of short unsigned newspaper articles on preventive pediatrics, calling attention to the unnecessary deaths, the means of preventing them, and the medical resources available. The Hospital and Dispensary have provided part of the required medical care.

The Hospital Library on June 30, 1940, contained 37,933 carefully selected volumes and subscribed to 415 journals. It ranks second in size among the medical libraries of the South and twenty-eighth in the nation. The average medical school library contains 20,000 volumes and subscribes to 272 journals. Of the 158 titles recommended for the teaching of medical history, Duke has ninety-eight, a remarkable record. Its most valuable titles are: Leonardo da Vinci, *I Manoscritte di Leonardo da Vinci della Reale Biblioteca di Windsor* (31 vols.; Parigi: Rouveyre, 1893-1901), and Ambroise Paré, *Les Oeuvres de M. Ambroise Paré* (Paris: Boun, 1575), a first edition. The Library has been very fortunate in obtaining, as gifts or loans, the collections of Dr. Joseph Howell Way, the Georgia Medical Society (over 5,000 volumes), the Bowdoin College Medical Library, Dr. J. W. Long (approximately 600 volumes lent by his daughter, Mrs. C. D. Benbow, Jr.), Dr. E. C. Register, Dr. N. P. Boddie, and others. On June 5, 1934, thanks to the Duke Endowment, Mrs. J. W. Hanes, Mrs. F. M. Hanes, Mr. Raymond Smith, Mr. Thurmond Chatham, and the Mengel Co., the new reading room was opened. It is exceptional in attaining the atmosphere of a library in a private home. The air-conditioning system, which was installed through the generosity of Dr. F. M. Hanes and the Duke Endowment, has added greatly to the comfort of all who use the Library. The Library serves not only the Faculty and students of the Schools of Medicine and Nursing, and Hospital, but also lends material to other medical libraries and physicians in North and South Carolina, Virginia, and Georgia.

The Medical Record Library maintains the medical case records of

the 144,142 patients treated at Duke Hospital for practical use by the Staff, for statistical purposes, and for research. It is not unusual for one to two thousand case records to be handled daily.

The Course for Medical Record Librarians is one of the nine approved by the American Association of Medical Record Librarians. Instruction for one year in the theory and practice of medical record library methods is given to students who previously have had acceptable college preparation. The first class of nine was admitted July 1, 1939.

The Illustration Division, which is essential both for patients' records and medical research, has grown rapidly. From a monthly average of twenty half-tone, color, and pen and ink drawings, diagrams, sketches, graphs, lettering and mounting the number has increased to three hundred and eighty a month. In addition, approximately 1,800 photographs of patients and specimens, lantern slides, copies, and enlargements are made monthly. During the past year over one thousand feet of motion picture film were used. A three-year course in Medical Art and Photography should be offered. It would provide practical training for the students and be of value to the institution by providing much needed help in the routine work. At present, the division is working to the full capacity of the space, equipment, and Staff. Undoubtedly the demands will increase with the growth of the Hospital. The division will require a larger staff, replacement of some of the old equipment, additional space, and an opportunity for the Staff to learn and employ new methods in medical illustration. The Art Division should develop particularly the technique and application of rubber prosthesis, for which there is a great demand in the field of plastic surgery. The Photographic Division needs time to keep in step with the great strides being made in medical photography.

The X-ray Division was opened in 1930, with two x-ray machines for diagnosis and one for therapy. From the 5,215 examinations of the first year, the number has increased to 37,500 examinations and 9,080 treatments in 1939-40. An additional growth of about 40 per cent is anticipated during the next five years. The Staff comprises two radiologists, three residents, an assistant resident, an intern, a fellow in cancer research, a physicist, eight technicians, and four secretaries. The equipment now consists of seven x-ray diagnostic, two portable, two 200 K. V. treatment, and one 500,000-volt machines. Due to the recent greatly appreciated loan by the National Cancer Institute, 600 mg. of radium are available.

The Course in X-ray Technology, which is approved by the American Registry of Radiological Technicians, has provided training for one year for thirty-nine college or nursing graduates.

The Hospital Pharmacy. During the first year, the dispensing of drugs to the patients constituted its sole duty. Later, the Pharmacy became responsible for the purchase of all chemicals for the School and Hospital laboratories. Then, a clinic pharmacy was opened to sell drugs and supplies to the University personnel, as well as to Hospital and Dispensary

patients. In 1934 the parenteral fluid preparation unit was transferred to the Pharmacy from the operating room. The installation of improved equipment has greatly facilitated the preparation of these fluids with a corresponding increase in the safety of their preparation and a decrease in their cost. Equipment also has been added for the manufacture of practically all of the ointments, creams, lotions, and official pharmaceutical preparations used in the Hospital at an annual saving of thousands of dollars. The approximate cost a patient-day for pharmacy supplies is twenty-five cents, or 5 per cent of the total cost of hospitalization. In 1933 a formulary was prepared so that the Teaching and House Staff would have a convenient reference guide to the principal medications stocked. It and its revisions have enjoyed a wide acceptance throughout the country in hospitals and medical schools. Several papers also have been presented at the meetings of the American and North Carolina Pharmaceutical Associations. A course in practical pharmacy for junior students was offered as an elective in 1935, and now is given each quarter as part of the required course in Therapeutics. In 1939 pharmacy internships were started in order to train pharmacy school graduates for positions in hospital pharmacies. They are offered a small salary plus maintenance.

The Brace and Instrument Division during the past ten years has made braces for 4,473 patients from ninety-one counties in North Carolina, twenty-two in South Carolina, twelve in Virginia, and several in Tennessee. The number increased from 154 in 1930-31 to 663 during the past year. In addition, 7,300 instruments have been repaired or made.

The Course of Training for Hospital Administrators, which was started in 1930, continues to fill a great need. Eleven university graduates have spent one to three years in gaining experience in hospital problems, and are now holding responsible positions in this or allied fields.

The Course in Anesthesia was started January 2, 1931. The six months' course for graduate nurses offered during the first few years has been increased to twelve months and has been firmly established with more applicants than can be accommodated. This division at present consists of five graduate nurse anesthetists who not only carry on the clinical work of the Hospital but teach the medical students and five graduate nurses yearly in the art and science of anesthesia. Twenty nurses have taken this training, five studying for the six-month period, and fifteen for the full year.

The Course in Laboratory Technique, which is approved by the Registry of Medical Technologists of the American Society of Clinical Pathologists, was started October 11, 1932, with one student for a period of one year. At present, twenty pupils are admitted annually, and the course has been lengthened to eighteen months. Two years of college work are required for admission. Training is provided in blood chemistry, clinical microscopy, bacteriology, serology, basal metabolism, and

pathology. Sixty technicians have completed the course, and are filling positions in this and other states.

The Hospital Care and Saving Associations. Modern medical education and service cannot exist without hospitals; and hospitals cannot exist without support from endowments, state, county, or federal aid, or voluntary hospital care associations, since one third of the patients who need hospitalization are unable to pay for it. Serious illness for this group results in medical charity or financial tragedy. Because of financial conditions, endowments are becoming rare; and state, county, or federal aid may bring political control. The voluntary group hospital care association seems to be the logical answer to hospital support. England started the movement, and Texas and North Carolina demonstrated its practicability in the South. In the unanticipated loss of financial support which death brings to a family, and the unanticipated loss of a man's business by fire, advantage is taken of the insurance principle, which anticipates and apportions such losses over long periods of time and over large groups of people. Total burdens that crush individuals are borne easily when divided. Group hospital care is a similar insurance plan by which large numbers of individuals make regular fixed payments into a common fund to be used for the purchase of hospital services when needed by the subscriber. Self-supporting citizens thus can budget their expenses, and the hospital bills are paid by the fund. The Hospital Care Association of Durham was organized August 5, 1933, through the cooperation of the Watts and Duke Hospitals, and now has 56,832 members. A similar organization, The Hospital Saving Association, sponsored by the Medical Society of the State of North Carolina, was started March 11, 1935, with the aid of a grant from the Duke Endowment. It has 128,882 members. These associations have greatly helped families of small incomes to bear the cost of serious illness.

F. V. ALTVATER.

SOCIAL SERVICE DIVISION

1930-40

The steadily progressive development of medical social service at the Hospital is an index of how well the Hospital and the Public Dispensary have taken their places as communal facilities of North Carolina. In 1930 the need for the establishment of medical social contacts was recognized, and a trained medical social worker was employed. At that time, however, most of the medical therapy was carried out in the hospital wards, and the Public Dispensary was very largely an ambulatory diagnostic unit, with a very small percentage of cases returning for follow-up visits. During the next five years the need for a Division of Medical Social Service developed along at least three distinct but related lines. First, the acceptance of the Hospital by the people of the state resulted in return visits at more frequent intervals, and the large increase in the size of the Clinic had increased the number of instances in which a specialized form of medical social approach was indicated. The improve-

ment in local welfare facilities also made it seem worth the effort to make arrangements to communicate medical information about our patients and explanations of their needs to the welfare authorities in their home communities.

A second need for the development for a medical social service division was educational with relation to the training of medical students and nurses, since medical and nursing training is not complete unless the student has had an opportunity to observe the methods of and the type of work which can be accomplished by a medical social agency.

The final question was how to provide medical social service for the patients who come to the Hospital from distant points, i.e., from the one hundred counties of North Carolina, as well as from twenty-two other states. Should Duke University, in addition to the social service work of the Hospital, train medical social workers who could obtain positions and carry on their profession in the other hospitals in North Carolina, or should Duke Hospital, through a co-operative educational program provide three months of experience in medical social service for the graduate students of the Division of Public Welfare and Social Work of the School of Public Administration of the University of North Carolina, so that they, in their future positions as County Welfare Workers, could handle many of the local medical social service problems? On the very much appreciated advice of Miss Kate McMahon, Educational Director of the American Association of Medical Social Workers, the latter plan was adopted.

On September 1, 1937, through the generous support of an anonymous donor, to whom we are grateful, the Division of Social Service was started. Further additions to the Staff have been made as necessary, and at present there are four medical social workers, a psychiatric social worker, and a secretary.

The Welfare Departments and other community agencies have requested the services of the Social Service Division even more than had been expected. During the past nineteen months, the Division has worked with patients from all but twelve of the counties of North Carolina and with patients from seven other states. Many of these patients have been referred from here to the local agencies for assistance in carrying out treatment plans. The Division has worked also in collaboration with such community agencies as the juvenile court, churches, private family agencies, and various public welfare services, i.e., the Farm Security Administration, the State Department of Vocational Rehabilitation, the State Commission for the Blind, and the Child Welfare Services.

The teaching program has developed along the lines outlined—to give an opportunity to observe the methods of and the type of work which can be accomplished by a medical social agency. Teaching in the Hospital has included a course for the third-year class of nurses, clinics for medical students, lectures to the group of Orphanage House Mothers and Executives of North and South Carolina who come to Duke each summer for an institute on the various phases of their work, round-table dis-

cussions with volunteer groups, such as the Junior League unit working in the Duke Hospital Public Dispensary, Y. M. C. A. and Y. W. C. A. volunteers with the Family Service Association, and others. Members of the Staff also have taken an active part in various community projects and have served on local and state social service committees.

The effect of the co-operative teaching with the Division of Public Welfare and Social Work of the University of North Carolina in fostering an appreciation of the interrelationships of health and social problems among the workers in county welfare departments is already being felt. The Medical Social Service Division of Duke Hospital has been able to offer two types of educational facilities to the students of the School:

First, the Division has accepted advanced students for field work training in generic social case-work. In September, 1938, three students from the University of North Carolina were accepted for three to six months' practical training in the Hospital. To the present, twenty students have received three or more months in the Division. Thirteen of them are now working in ten North Carolina county welfare departments, one in a supervisory capacity, one with an orphanage in this state, one with a welfare department in Virginia, one will work with a welfare department in Missouri this fall and four are still in school.

Second, the Division, with the cooperation of the Staff of Duke Hospital, has given a course in Medical Information for all students in the Division of Public Welfare and Social Work of the University of North Carolina. This course is given two quarters each year at Chapel Hill.

With an adequate staff of qualified workers, allowance for case-work supervision and sufficient clerical and office facilities, the Division should continue to develop in the quality of medical social case-work practice. This, and a close relationship with the Division of Public Welfare and Social Work of the University of North Carolina should, throughout the state, bring about an increased understanding and recognition of problems related to illness, with additional use of medical social case-work service by both social and health agencies.

A specialized course in medical social work in the Division of Public Welfare and Social Work of the University of North Carolina may be established in the future with certain additions in curriculum and faculty, including a medical social worker, with the Social Service Division of Duke Hospital giving the supervised field work in medical social case work.

R. E. BARKER AND E. O. PHILLIPSON.

DEPARTMENT OF ANATOMY
1930-40

No small part of whatever success the Department may have attained is due to the willing cooperation and interest evinced by the Staff. It is earnestly hoped that the next decade may see no lessening of the friendly and congenial spirit which has accomplished so much.

From the very first, the Department has been convinced that its task is twofold: first, and most important, is the teaching program; second, and of only slightly less importance because of the stimulus it provides for the first, is the research program. Constantly we have striven for the proper balance of these two functions to the end that the students, the Staff, and the University may be served most advantageously. Considerable progress has been made to this end, but there is a need for even greater coordination.

Many experiments with different methods of teaching have been tried with the idea of preventing the Staff from slipping into the rut of constant, mechanical repetition and of continuing the search for a really satisfactory method to present a modicum of the necessarily complex facts of anatomy. Possibly our best success has been had along lines emphasizing the small group conferences, and individual laboratory discussions, in which considerable care is taken to avoid the appearance of quizzing. Another step forward is that which involves participation by all Staff members, other than those directly responsible for the conduct of the entire "course," in the teaching of all branches of anatomy each year. This procedure tends to avoid the production of specialists in the teaching of one division of the work, to keep the instruction on a broad basis, and to emphasize the teaching of the student rather than placing most of the stress on the subject matter. The substitution of personal judgment of each student's real ability, enthusiasms, and peculiarities for an examination rating has been a long step in the right direction. The abolishment of quizzes and examinations in favor of individual encouragement and stimulation has done away with much of the student fear and worry. Providing individual student practice in the methods of expression takes a large share of Staff time, and even the increase of Staff from the four full-time men of 1930 to the present six has not completely solved the problem.

As a department, we are much more interested in the diversity of our publications than we are in the absolute or relative numbers. We would not wish, at the expense of this diversity, to engage in any sort of a community or co-operative research program which might well increase the total output. Greater educational possibilities, for students as well as for Staff, we believe are inherent in the promotion of a research program which embraces many fields. Indeed, an opportunity to include a few additional ones, notably anthropology and genetics, would be welcomed.

In addition to an anthropologist and a geneticist, who would establish lines of research not now represented here, we should welcome funds for the establishment of several teaching fellowships and research fellowships. Several of the programs now under way could be thus facilitated in an amazing fashion. Departments of anatomy throughout the country are badly in need of well-trained teachers, and we should be doing our part to facilitate this branch of education by taking on a teaching fellow at least every second year. Our tissue culture, endocrinology, and neu-

rology research programs each could use one or more full-time research people to help clear the decks and make room for new ideas to take the places of those already awaiting their turn.

Hence, for the second decade of our departmental life, we would urge serious consideration of the budgets and general propositions submitted earlier, with particular stress on further increases in the Teaching Staff, and on definite help toward a marked expansion and general speeding up of the research activities.

F. H. SWETT.

DEPARTMENT OF BIOCHEMISTRY
1930-40

The program outlined in 1934 for development of the Department of Biochemistry as an integrated part of the School of Medicine and the University has proceeded uninterruptedly. The Department has grown materially in its teaching scope, auxiliary clinical service, and research activities, as measured by numbers of its Staff, students taught, monthly averages of analyses carried out by the Clinical Chemical Laboratory, and research publications. During this decade, 99,630 chemical analyses of blood were performed; the present monthly average is 1,850 analyses. Research activities in the Department during this period resulted in seventy-four published articles. In this respect we merely shared in the growth of our institution.

But I believe that there has been some appreciable qualitative growth as well. This has been chiefly manifested in the development of biochemical investigations throughout the entire School, involving practically all of its various departments. This is attested to by the interesting fact that the author indices of the yearbook, *Annual Reviews of Biochemistry*, for the years 1939 and 1940 list the names and quote the work of twenty-eight Duke investigators. Many of these investigations are of a directly co-operative nature in which members of several clinical and preclinical departments joined efforts. Thus members of our Staff have collaborated and published jointly with workers from the Departments of Physiology and Pharmacology, Pathology, Medicine, Surgery, Pediatrics, and Obstetrics and Gynecology. Furthermore, independent biochemical investigations have been developed notably in the Departments of Physiology and Pharmacology, including Nutrition, in Medicine and in Experimental Surgery, all of which have contributed greatly toward the creation in our School of an active research center.

A few investigations in the Department are worth mentioning because, judging by the amount of outside attention they have attracted, they appear to be significant, e.g., studies in the oxidative metabolism of tissues (in collaboration with the Department of Physiology), on the blood and bile pigments, the physical chemistry of proteins, alcohol metabolism, serum proteins in health and disease, and joint studies conducted by the Department with those of Obstetrics, Gynecology, and

Pediatrics on the nutritional factors in the etiology of the toxemias of pregnancy.

An important co-operative study was begun early this year jointly by the Rockefeller Foundation, the North Carolina State Board of Health, and the School on mass nutrition in this region. The laboratory part of the study is being carried out in the Departments of Biochemistry, Physiology, and Nutrition.

The scope of usefulness of the Department has been extended by the development of a toxicologic laboratory, through which valuable service has been furnished to the Hospital and the state by toxicologic and criminologic investigations. This division also is cooperating in the instruction given to our students in various aspects in legal medicine, in addition to giving an elective course in toxicology. This field has been greatly neglected of late in most medical schools, and its revival in our School seems to fill a practical educational need. The Department also has organized and conducted the teaching of biochemistry in the School of Nursing, and of clinical chemistry in the Course in Laboratory Technique. Another very desirable addition to our program has been the study of the physical aspects of biochemistry, particularly in the field of proteins. The influence of this active research program has been most beneficial, not only in this Department, but also in the School of Medicine and the Graduate School of the University. This work has been and is being supported by generous grants from the Rockefeller Foundation and the Lederle Laboratories.

In addition to the above grants, research in the Department has been materially aided in the past by other grants from the Lederle Laboratories, and from the Duke University Research Council, for which all of us are very grateful. The grants made during the past few years by the University Research Council have played a very important part in the promotion of good investigations in our School as well as in other University departments. One of its greatest merits has been that there is no longer any legitimate excuse for the failure of engaging in worthwhile research because of the lack of a few hundred dollars. It is ardently hoped by all of us that this excellent policy will be continued and expanded in the future.

The Clinical Chemical Laboratory has been performing the Herculean task of turning out thousands of exacting analyses yearly. The problems in this division are manifold: The work must be of high order of chemical accuracy demanding rigorous control and organization of the technical help. It must be intelligently selective in order not to be out of bounds of feasibility, expense, and usefulness. The Laboratory must also act as a center of teaching of modern clinical chemistry to the students and to the members of the Intern Staff. These problems are being borne constantly in mind, and much effort has gone towards their solution which can never be complete, for it depends on the cooperation of all the clinical services of the School and Hospital. We have had on the whole excellent cooperation, and we hope that it will continue. The

innovation of an assistant resident in biochemistry attached to the laboratory has proven to be distinctly worth while. Many of our assistant residents have been able to carry out important research projects and thus acquire first-hand training in the application of biochemical techniques to medical research.

Since the establishment of the correlation course for our second-year students, we have been able to supplement our teaching of the first year with a very desirable extension into the field of clinical chemistry. But we still feel that it is not sufficient. We still wish for more frequent opportunities of meeting the Junior and Senior students when they are actively engaged in their clinical studies. This may be in part achieved by inviting members of our Staff to participate in appropriately selected clinics and ward rounds—a practice which has been used occasionally by some of the departments.

The essential difficulty in the teaching of our subject here, as it must be true in more or less all of the other medical schools, lies in the inadequate preparation of the students in their premedical training in the colleges. This inadequacy is of a qualitative rather than quantitative nature. The problem is too complex and large to be discussed here.

In the report of the Council on Medical Education on "Medical Education in the United States, 1934-39," a specific criticism was made of the departments of biochemistry in the various schools on the following score: "While instruction in biochemistry was believed to be, on the whole, more efficient than in any other of the preclinical sciences, there were fewer medical graduates among the departmental staffs . . . in more than half of the sixty-six four-year schools there were no teachers in biochemistry who held medical degrees."

While the objection is partly nullified in the first part of the quoted sentence, it is nevertheless quite legitimate. We have tried in the Department, as well as in the other preclinical departments of our School, to obviate this criticism by including on our Staff several men from the Departments of Pediatrics and of Medicine who are actively engaged in biochemical investigations of clinical problems. One full-time member of our Staff holds both M.D. and Ph.D. degrees. The Assistant Resident in Biochemistry is a medical graduate and assists in the teaching of clinical chemistry.

We have been particularly fortunate in the School in the remarkable extent of cooperation existing between the various departments. In our own case the close proximity to and cooperation with the Department of Physiology, Pharmacology, and Nutrition have been especially productive of a better integration of the teaching of and research in our closely related subjects. The close daily contact among the twenty-odd workers in the two departments not only saves us from much duplication of men, efforts, materials, and facilities, but, more important, still leads to inevitable cross-fertilization of ideas and, correspondingly, better fruition of ideas into work.

The expansion of the division of nutrition in the Department of

Physiology has been of great and direct benefit to the Department and to the School. Teaching and research in biochemistry, most of which nowadays has nutritional implications, has been greatly enhanced thereby, especially since the group is working in close cooperation with many of our men on problems related to pellagra.

The Department of Biochemistry has also developed as a part of the growing Graduate School of Arts and Sciences. The number of graduate students majoring in biochemistry has been rather small, and only three Ph.D. and two M.A. degrees have been awarded in this subject since 1932. Many more students, however, majoring in chemistry, zoology, botany, and physiology have been receiving their biochemical training here. Close relations have been established and are being very satisfactorily maintained with the other science departments of the University to our great benefit. The Professor of Biochemistry has been serving as a member of the Graduate Council of the University since 1931 and a member of the Library Council since 1937.

Future Development and Needs. It is our aim to develop further such resources as are or will become available to their fullest significance for the Department, the School, and the University. This does not imply any undue growth in size of space occupied or of Staff beyond the growth proportional to that of the rest of the institution. The application of modern chemistry and physics to medicine and biology is still in the rapidly ascending and expanding stage, and in our attempts to keep abreast of the many developments in this field special care and discrimination will have to be exercised to guard against the dangers of uncontrolled mushroom growth and at the same time to maintain an effective program of teaching and of research.

It does appear, however, that with the rapid growth of our Hospital, the physical facilities and space devoted to the preclinical sciences have been proportionally decreasing rather than increasing. This is particularly true of available laboratory space for research workers on the Staffs of the clinical departments. Most of these, according to our original policy, are accommodated in the laboratories of the preclinical departments. Such space is rapidly becoming nonexistent. At the same time all of us would like to see still further and greater research activity among our clinical teachers. The problem of finding physical space and budgetary provision for them will have to be solved if this aim is to be achieved.

Our own room capacity at the present time is at the limit of its possibilities. We have no room whatsoever for any additional students or research workers. Our large student laboratories are utilized fully at least eleven months in the year. In addition to the medical students, nurses' and technicians' classes are being taught in them, and they are also being used for overflow research space for various workers. We should eventually like to have the six rooms opposite the Blood Chemistry Laboratory.

For the present number of students and hospital patients our Staff is quite adequate. From the standpoint of more complete handling of biochemical problems, especially in the fields of intermediate metabolism and of chemotherapeutics, it would be desirable to add eventually to our Staff a man well trained in organic chemistry.

W. A. PERLZWEIG.

DEPARTMENT OF MEDICINE
1930-40

The Department of Medicine has shared in the rather remarkable growth of the School of Medicine and Hospital during the past ten years, a growth which is amply illustrated by the figures quoted elsewhere in this report. Indeed, it should be pointed out very forcefully that a continued increase in patients, such as has occurred from year to year, is not an unmixed blessing, and, if it should continue as it probably will do, it will pose a serious problem for solution. We must bear in mind always that *this is primarily an institution for the training of physicians and only secondarily a hospital for the care of the sick*. In so far as patients contribute to good teaching they are indispensable, but when their numbers interfere with sound, careful instruction of the students they are a serious detriment. We are rapidly approaching this unfortunate stage of development, and the solution of the problem is not clearly seen, and deserves the most careful study.

The Department of Medicine is not now, and never has been, interested in the quantity, but solely in the quality of work done. The seventy-five beds available for ward patients are ample for the instruction of from sixty to sixty-six students, and no increase in beds is needed.

The *Out-Patient Service* is splendid, and we feel that here some of the best teaching has been done. This department has been admirably administered, and the addition very soon of nine more examining rooms, which will be used for colored patients will greatly facilitate the work to be done. The addition of these rooms, however, exhausts all available space, and will barely suffice to carry the present load of out-patients. We face the grave danger of seriously impairing the *quality* of instruction should the number of patients continue to increase during the next decade as they have done in the past. *It is very probable that before the passing of another ten years a new building for the Out-Patient Department will become an urgent necessity, thus freeing space for laboratories and other uses which is not available in the present structure.*

Graduate Instruction. It is the belief of the Department that so-called postgraduate instruction should begin when the student enters upon his internship. Very wisely the founders of the School required a minimum of two years' internship for graduation, and one will not be far wrong who predicts that all Class A medical schools will make the same requirement in the not distant future. As a practical result of this belief, the House Staff in Duke Hospital is as large as facilities for useful

training permits. If this policy should be adopted generally, the need for postgraduate instruction as now given in local clinics, capsule courses, and symposia would largely disappear. In our opinion, the money expended by the Hospital on its large House Staff is the most productive of all its expenditures, and the present enlightened policy should be followed even at the expense of other efforts. After years of study, the Department has instituted a type of house-officership which is believed to be ideal. It is of twenty-five months' duration and, by successive three months' steps, the house-officer is trained in every branch of internal medicine, including three months' service in Neurology and in Psychiatry. This we consider the greatest advance which the Department has made in the past ten years.

Private Patients. Purely from the standpoint of the effective use of the Staff as teachers and investigators, private patients are a nuisance. Probably an ideal arrangement would be to segregate the private patients, and provide a staff for their care quite independent of the Teaching and Research Staff. This opens the old and stormy argument for and against a staff of full-time instructors. We will not enter the argument, except to say that in our opinion the present part-time arrangement is the only one possible for us, even though we admit that there is a grave danger of the younger men sacrificing their scientific advancement through the rather profitless drudgery of too much private practice. This danger is clearly seen by the head of the Department; and attempts, more or less successful, are constantly being made to guard against it. However, it is probably true that all human problems are insoluble, and this is distinctly a human problem.

Research. The Department of Medicine believes unreservedly that any school that fails to stimulate and support research studies is doomed to mediocrity. Not only do we believe this, but the Department supports research efforts by the expenditure of relatively large sums of its own money. Percentages of the earnings of all the Staff are placed in the Anna H. Hanes Research Fund, which fortunately has been augmented from time to time from other sources. Without such funds it would not be possible to supply the Staff with the necessary technical help for research. The James A. Greene Fund for research in brucellosis has been of great help and has yielded much successful investigation. At present two fellowships in medicine are being occupied by two of our promising younger men, and it is hoped that two more fellowships may be available soon. Only by such fellowships can we keep for possible future development and use brilliant and promising young men, for whom there is no provision in the departmental budget.

Psychiatry. Although Psychiatry is now a separate Department, the Professor of Neuropsychiatry is thoroughly aware of the desirability of a close cooperation with the Department of Medicine in the study of the many unsolved problems of Psychiatry and of Medicine. A very harmonious and fruitful cooperation of these two departments is anticipated.

It is unnecessary to go into details of the organization of the several divisions of the medical service. Suffice it to say that the divisions of (1) Neurology, (2) Dermatology and Syphilology, (3) Allergy, (4) Metabolic Diseases, (5) Cardiology, (6) Gastro-enterology, and (7) Applied Therapeutics are now adequately staffed. One may say, without too much complacency, that never before has the Department of Medicine been able to meet its problems with such excellent personnel and physical equipment. For all this we are duly grateful and firmly resolved to use our many advantages to the limit of our powers.

F. M. HANES.

DEPARTMENT OF BACTERIOLOGY 1930-40

The members of the Department of Bacteriology instruct approximately sixty-five medical students, twenty student technicians, several graduate students and sixty pupil nurses each year. In addition, the Department makes all the bacteriological and serological studies for the Hospital, including the Dispensary, and furnishes media and sterile glassware to other departments which are engaged in bacteriological investigation.

The subdivision of mycology examines specimens for fungi and serves as consultants to the physicians of the Hospital who have patients with fungus diseases. It has also become a center for the identification of fungus cultures for physicians and hospitals throughout the country. Cultures of fungi which have been isolated, and which offer difficulties in identification, are forwarded to the subdivision and added to the growing collection of pathogenic fungi, in return for identification. Advice in regard to treatment of fungus infections is furnished when requested. The Department has received from the John and Mary R. Markle Foundation a grant of four thousand dollars a year for a period of five years for assistance in extending researches on the pathogenic fungi. This grant has enabled rapid progress to be made in this important field of investigation. As a result of this activity, there are few institutions which have facilities comparable to those at Duke for the training required for the Ph.D. degree in mycology. Plans are being formulated to meet the growing need for graduate instruction in this field.

The Department, in cooperation with the Departments of Medicine and Pathology, is actively engaged in the study of the fundamental biological characteristics of the brucella organism which causes widespread disease in the South and throughout the nation. The facilities for studying the parasitic diseases of the South should be expanded. While all of these diseases have been identified, there are still considerable gaps in our knowledge, particularly in regard to the factors which allow the parasites to invade the patient. The studies on staphylococcus infections should be continued. The results with staphylococcus antitoxin have been very satisfactory, but a potent serum also is needed.

Seventy-five articles and one book have been published by members of the Department during the past ten years. Twenty-five students have

been introduced to research methods employed in bacteriology and have published thirteen papers.

The increased number of students and increased volume of hospital work make it desirable to add in the near future a new member to the Department. More hours should be assigned to the teaching of bacteriology. The Department fulfills the characteristics of the ten highest ranking departments of bacteriology, as summarized by the report on Medical Education in the United States, with one exception, namely, that the Department is allotted only one hundred and sixty teaching hours, of which forty-four are assigned to parasitology, leaving one hundred and six hours devoted to bacteriology and immunology, or seventy less than the average of two hundred and seventy-six hours. The fact that our students make good records in the examinations of the National Board of Medical Examiners and retain an active interest in bacteriology after graduation, however, indicates that the caliber of the teaching is reasonably adequate.

D. T. SMITH.

DEPARTMENT OF PREVENTIVE MEDICINE AND PUBLIC HEALTH
1938-40

The instruction in preventive medicine and public health for the past two years has been carried on with the cooperation of the School of Public Health of the University of North Carolina. Their staff has assumed the responsibility for teaching these subjects to the Duke University medical students. Lectures and demonstrations in public health are given to the second-year class, and visits are made to places of public health importance. Lectures and clinics in preventive medicine are held for the Seniors. All of the exercises are designed to acquaint the medical student with the relationship of preventive medicine and public health to the various phases of general medical practice.

Public health facilities, supported by the various local, state, and federal funds, have increased greatly in the past decade. The purpose of the instruction in public health at Duke is to give our future physicians an understanding of what organized public health has to offer them and their patients in the way of medical cooperation. Likewise, an attempt is made to impress the duties and service of the medical profession to public health.

Arrangements are being made with the Kellogg Foundation in Michigan for fellowships for Juniors and Seniors who are interested in public health. These students may elect a month in public health which will be spent doing actual public health work in one of the demonstration county health departments aided by the Kellogg Foundation. It is hoped that this experience will give the students a real insight into public health problems.

The School of Public Health of the University of North Carolina is developing a department of public health nursing. Cooperation in instruction for both the Duke medical students and nurses is contemplated.

H. W. BROWN.

DEPARTMENT OF OBSTETRICS AND GYNECOLOGY
1930-40

Teaching Program. A slow but steady improvement has taken place in our ability to present our subjects to the students. Increasing clinical material and better working conditions have slowly developed for the training of the House Staff. We hope to see further improvement in the next five years.

The growth of the Dispensary Service has been steady, although we must continue to provide for future growth. The establishment in October, 1932, of the Outside Obstetric Service at Charlotte was a necessary step in the training of students and House Staff, and the functioning of this service has continued at the highest level. In January, 1937, the Endocrine Clinic was started, and in the short period of three years the demands made upon it for clinical care and teaching have been tremendous. Previous reports on the investigative work done in this division speak for a well-balanced teaching-clinical-investigative program. Plans must include the thought of additional personnel for this division for clinical and research work. The Endocrine Laboratory has also rendered heroic service to clinical and research medicine.

The development of a bacteriological division of the Department, in cooperation with the Department of Bacteriology, has made possible accurate diagnostic procedures which are taught to Staff and students, and has answered the need for a comprehensive investigative program.

The applications for postgraduate house-staff training have been far in excess of our physical and clinical facilities. The standards for house-staff appointments have been kept exacting, and the years of training necessary for the residency-instructorship have been placed at seven. We believe this type of training should be maintained.

In teaching we must keep in mind that two distinct types of teaching are necessary: (1) for students, and (2) for House Staff. We wish that we might state that we are satisfied with each type, but we have years of hard work ahead before we may even approximate to some degree of satisfaction. We would express to all preclinical and clinical services our gratitude for the fine cooperation given to the coordinate type of teaching, and we sincerely hope this type of teaching may grow each year.

Physical Facilities. For the past five years our physical facilities have been crowded, and we have been unable to divide the clinical care, teaching program, and research program as we hope to do when certain crowdings are eliminated. A new delivery suite is badly needed. The colored ward is in need of a studied rearrangement to allow for proper isolation technic. The Dispensary space is crowded and inadequate. Laboratory space is totally inadequate, is utilized to fullest capacity at all times, and if we might be so fortunate as to secure funds for research fellowships, the problem of laboratory space and equipment would be a difficult problem to solve.

There should continue to be a steady growth in the number of obstetric and gynecological patients admitted to the Hospital if we are to function

as a teaching service, a service for postgraduate training, and a service which hopes to increase the scope of its investigative program.

One problem of clinical and investigative importance to our Hospital is the acceptance and the care of cancer patients. The number of patients presenting themselves for examination, diagnosis, and treatment of cancer is too large for properly controlled management and follow-up care. The problem of care and treatment of cancer patients is one which in time must be met. The Social Service Division has given us invaluable aid in this and in our other problems of caring for patients.

The excellently balanced and sane work of the Hospital Administrative Officers has been instrumental in making possible the solution of some of our problems and has taught us a number of valuable lessons.

Department Personnel. The lack of a trained visiting attending staff has put a heavy burden upon the members of the Department. In the last three years two well-trained visiting attending members have been added to the Staff to aid in the Dispensary clinical and teaching load.

The needs of the next five years will include an instructor to aid in the Endocrine Division of the Department and a well-trained endocrine-biological chemist for maintenance of the laboratory. Our present endocrine chemist, who has served on a fellowship, terminates his service in November. A full-time technician is badly needed for biochemistry work in cooperation with the Department of Biochemistry on our problems of toxemia of pregnancy and the allied clinical and investigative studies. At present we have a part-time technician, who is supported by a grant from the Research Council of Duke University.

Facilities for routine technical work for dispensary and ward patients have been taxed in the last three years, and it is hoped that another routine technician may be added.

Investigative Work. Each member of the Department has made a conscientious effort to develop the investigative program of the Department and to cooperate in problems investigated with members of other departments. Grants from the Research Council of Duke University, from various foundations, from individuals, and from various companies have been supplemented by funds contributed by members of the Department. One hundred and three articles and two books have been published in the past ten years. Many problems are now being investigated, and the hope is that the results will be true contributions.

The personnel of a clinical department must of necessity include trained clinicians and trained laboratory workers. Each worker fills a definite part in the assembly of data for investigative work. We need scholarships and fellowships, and it is hoped that our next report may contain a list of added workers engaged in problems of true research.

BAYARD CARTER.

DEPARTMENT OF PATHOLOGY
1930-40

Like other departments in the School, the Department of Pathology had had its aims and ambitions to which all of its efforts have been keyed

during the first ten years of the development of our School. The chief of these aims has been the cultivation of the point of view in medicine that pathology is no longer simply the study of pathological anatomy, but instead is the study of the comprehensive science of the nature of disease. Our conception of the pathologist is that he is any student who devotes his time to the study of the nature of disease and who employs not a single method or technique but as many techniques as may be helpful in the solution of the problem at hand. While it is not intended to infer that this conception of the pathologist and his work is a new one, there is good reason to emphasize this point of view, since among both pathologists and clinicians there prevails very widely the feeling that pathology is simply a laboratory science, the prime aim and purpose of which is to provide a certain type of so-called "accessory" data to the practitioner of medicine.

As was to be expected, the cultivation and propagation of the above conception of pathology has not been accomplished without overcoming a variety of difficulties, some of which are the following:

- (1) Pathologists themselves, on one hand, have been loath to give up the idea that pathology is simply pathological anatomy; and on the other hand, they have been inclined because of special interests to isolate themselves from continuous contacts with the ordinary problems of disease as presented by an active clinic.

- (2) The very high degree of specialization in both preclinical and clinical sciences has tended to restrict the points of view of those engaged in the specialties and has actually caused our colleagues to think of the pathologist in terms of that same high degree of specialization which characterizes their own activities.

- (3) The actual knowledge and understanding of the pathologist and his work which prevails throughout the profession, both academic and practical, is exceedingly limited as would be natural to expect from the very brief and superficial contacts which the profession in general has with this branch of medicine, such contacts being restricted, in all except the exceptional cases, to a brief period of six months or less during the second year of medical school.

Being aware of these and other difficulties, those of us responsible for the development of the Department of Pathology in this new School early adopted specific practices designed to propagate the broader concept of the nature of our field of work and have diligently pursued the practices decided upon. This program has been based upon a few general principles as follows:

- (1) This Department has assumed the position that it is responsible for the student's fundamental conceptions of the nature of disease and has planned its instruction in such a way as to impress upon the student the fact that he as a student of medicine never ceases to be a student of the basic principles of disease, regardless of his subsequent departmental responsibilities.

(2) The Departmental Staff has voluntarily undertaken responsibilities, professional and administrative, regarded as essential for the development of the School and Hospital as a whole and thus has attempted to make itself essential to the general welfare of the organization.

(3) Extramural relationships have been established throughout the profession with the purpose of propagating the idea that pathology continues to be essential to the everyday work of the practitioner.

(4) Effort has been expended to make the Department and its work known to lay groups, particularly the courts and the public health departments.

(5) Collaborative research, involving other departments of the School and Hospital, has been utilized not only for the accomplishment of investigative work, but as a means of unification of apparent and real differences in fundamental points of view.

(6) Interchanges of Staff members between the Department of Pathology and the clinical departments have been made a permanent feature of the Department to encourage community of interests.

(7) Postgraduate study of pathology has been encouraged and facilitated by the creation of as many resident and nonresident opportunities for study as are compatible with the available facilities.

(8) The routine work has been so organized as to cultivate the most critical attitude possible toward the problems of disease.

(9) The idea maintained in all our relationships is that the Department of Pathology is a laboratory for the collaborative investigation of disease processes and is not merely an accessory diagnostic laboratory maintained for the service of other departments.

(10) A liberal attitude has been maintained toward research to encourage variety of interest, special adaptability, and comprehensive views of the problems of medicine.

The original plan for the development of the Department of Pathology encompassed two basic purposes: first, to maintain a highly elastic staff organization subject to change each year and designed to provide for the training of a group of young men who might find an interest in either the teaching or the practical application of pathology; and, second, to provide as nearly as possible, an ideal opportunity for research along the most liberal lines. It is felt that much has been accomplished toward the attaining of these two purposes.

Elasticity in Staff appointments and in tenure has had the very healthful effect of keeping the Staff as a whole young in point of view, and each year there has been brought into the Department new enthusiasm to challenge the efforts of the Senior Staff. The application of this principle of organization has had the special advantage of lightening the routine load of the Staff, thus facilitating uninterrupted research during the crowded teaching half of the year.

Teaching methods of the Department have not been basically changed since the beginning of our School. They have, however, been subjected to many variations, always with the purpose of determining the most

effective approaches to the subject matter. The main object of our teaching has been to educate the student so that his understanding of the fundamental nature of disease processes and disease entities will be so thorough that the clinical years may be devoted almost exclusively to the techniques through which the various pathological processes and clinical entities are recognized. In this teaching we have found no substitute for fundamental studies in pathological anatomy and have continued to use that science as a foundation. Upon this we have striven to build a superstructure fabricated of that body of physiological, chemical, physical, and bacteriological fact which is applicable to the understanding and interpretation of pathological processes. We have never felt that it is proper to attempt to convert each student into a competent pathological anatomist, biological chemist, or experimental physiologist. The theme of our academic program has been, however, the integration and application of all of the students' previously acquired scientific data to the solution of the problem of developing a comprehensive understanding of the complex biological processes which we know as disease. Our main objective has been to cultivate in the student the ability to analyze abnormal anatomical situations in term of physiological, chemical, and physical processes already familiar to him from his previous studies or made available to him through the records of observations made on actual cases in the hospital and in the laboratory. Attainment of the above objectives have been facilitated through the following:

(1) Intimate informal, daily personal contact between the Staff and the student.

(2) Participation of students as individuals in Staff conferences.

(3) Easy accessibility to and unrestricted use of the departmental records and materials by students.

(4) Responsible and individual student participation in routine autopsies.

(5) Independent student clinical-pathological conferences.

(6) Weekly Staff clinical-pathological conferences, open to all students and members of the profession.

That the organization of the Department, its work, and its educational program has been reasonably effective seems to be indicated by the following:

(1) The number of applications for positions on the Staff has increased rapidly from year to year.

(2) The Department is considered a promising source of well-trained pathologists as would appear from the increasing number of inquiries received from medical schools and hospitals in search of men for vacancies.

(3) The research productivity of the Department has been continuous, reasonable in quantity, and of sound quality.

(4) Recognition of the work of the Department by scientific bodies is indicated by the fact that all senior members of the Staff hold memberships in the outstanding national pathological societies, that the Staff is represented on the governing council of our foremost national pathological

society and has held official positions of importance in other scientific societies, and, finally, that the position of Examiner in Pathology of the National Board of Medical Examiners is now held by a member of the Department.

General Pathology. During the past ten years we have found no reasons to change the routine procedures of the laboratory devoted to the study of the fatal cases in the Hospital since these procedures are characterized by a meticulous care and painstaking detail all designed to produce the greatest teaching returns from post-mortem examinations. They are naturally time-consuming and laborious and require considerable expenditure of money. That the investment made is not out of proportion to the returns seems to have been demonstrated. Because the requirements for successful accomplishment of work along these lines and according to these standards involve the efforts of a great many people within the School and Hospital, we have found it necessary to maintain constant vigilance in order to keep the work progressing at the desired level of proficiency. In general pathological work our most serious problem has been the maintenance of a high autopsy percentage. This is a matter beset with many problems, both within and without our control. The matter is of sufficient significance and importance to the School and Hospital to require the most serious thought and the most diligent efforts on the part, not only of the Department of Pathology, but especially of the various clinical services of the Hospital. While the number of autopsies performed has gradually and consistently increased from year to year, the autopsy percentage has tended to fall. This we regard as a serious matter which must be viewed with some apprehension, since the autopsy percentage in a given hospital is now widely used as an index of the character of the work of the staff, of the educational opportunity provided by the hospital, and, of course, of the character of the pathological instruction provided for medical students. It is obvious that we must continue to devote serious attention to this problem in the future.

General Surgical Pathology. The natural growth of the public ward operative work, the tumor clinic, the private practice of the clinical surgical group, and the general development of the Hospital as a whole, especially in relation to the new diagnostic clinic, has made the surgical pathological diagnostic problem, always a difficult one, more acute than ever, and there is every reason to expect the problem to become progressively greater as the expected growth of the private clinics proceeds. As an institution we cannot afford to subject ourselves to criticism based on inadequacies in this essential diagnostic procedure. Reorganization of the surgical pathological work, under the careful personal supervision of a competent general pathologist with special experience in surgical pathology, is essential. With the cooperation of the other departments concerned we hope to develop a plan in the near future which will eliminate what we regard now as a critical situation.

The Duke Pathological Service (Private Diagnostic Pathological Service for Outside Hospitals). In 1933, on the suggestion of the Hos-

pital Division of the Duke Endowment, and with the encouragement of and approval of the School, the head of the Department of Pathology undertook to provide a pathological diagnostic service for a group of small hospitals in the state, which were individually unable for a variety of reasons to employ competent pathologists. Although the organization of this service was the personal responsibility of the head of the Department, it was recognized that the carrying on of such a diagnostic service would involve the Department as a whole. For this reason it was not undertaken until we felt assured not only that its demands would interfere in no way with the academic program and the research of the Department but also that the maintenance of such a service could be actually beneficial to the University. After seven years' experience working with a group of fifteen to twenty small hospitals within the state we have again subjected the matter to careful consideration, to determine whether the service should be continued. It is our feeling that this activity has entirely justified itself and that it should be a permanent feature of the work of the Department. The following observations would seem to support this view:

- (1) The service provides for the use of the Staff a type of material which varies considerably from that coming from our own operating rooms, and hence it serves to instruct the Staff more broadly than would otherwise be possible.

- (2) The total quantity of material for study and instruction of both Staff and students has been greatly increased by this service.

- (3) The service has made possible adequate training of a larger group of young doctors than would have been possible without it.

- (4) The service has not only been financially self-supporting but has contributed each year substantial amounts of money toward the work of the Department.

- (5) The service has brought the Staff and the work of the Department to the attention of the outside profession of the state and has served the University well as a public service.

- (6) The service has contributed materially toward the development of a resident service in pathology, which has proved attractive to men from widely distributed areas in search of postgraduate training.

Medicolegal Pathology. Since the establishment of the School, the Department of Pathology has manifested an active interest in the problems of legal medicine. Our work in this field has been developed for the general purpose of providing a public service, the prime object of which has been education of the public along the lines of modern trends in medicolegal practice. It has been our policy to devote extraordinary efforts to the investigation of problems presented to us, and we have utilized to the best of our ability the frequent opportunity provided by litigation connected with these investigations to make known to the authorities and the public the importance and necessity for careful, competent medicolegal work in the administration of criminal and civil laws, and especially in administering the statutes governing workingmen's com-

pensation. We have devoted much effort to the study of the problem of bridging the wide gap which exists between the points of view of the legal and medical profession in matters that concern them both vitally, and without the reconciliation and coordination of which the public usually suffers. In this we have enjoyed the fullest, most instructive, and efficient cooperation of the staff of the Legal Aid Clinic.

The field of legal medicine in this country has never been adequately developed, but within recent years the need for such development has been recognized by various university groups, as is illustrated for example, by the recent establishment of a full-time department of legal medicine at the Harvard Medical School, through the financial assistance of one of the larger educational foundations. Another example is found in the gradual extension of the medical examiner's system in the larger cities and the related counties and the intimate association of the work with the medical schools, an instance of which is the newly established system in Baltimore. Movements such as this indicate clearly the trend of the times and present to all schools of medicine the specific problem of training men for work in this field. We are continuing the cultivation of the subject in our own Department and look forward to the time when our Staff will include a member whose special interests, investigative and practical, will be in this field. With our intimate association and cooperation with the laboratory of toxicology of the Department of Biochemistry and with the Legal Aid Clinic of the School of Law, a brilliant opportunity exists for the establishment of a department or perhaps a subdepartment of legal medicine in the School and steps should be taken to bring this to the attention of agencies that have shown an interest in the subject by their contribution for such purposes elsewhere.

Our interests and actual activities in the field of legal medicine have expressed themselves practically as follows:

(1) The Staff of the Department of Pathology has followed the policy of carrying out medicolegal investigations whenever they have been requested.

(2) The Department has cooperated with the local coroner's office by making investigations incident to his official investigations of crime. This service has to the present time been performed at no cost to the authorities.

(3) Some years ago the Department instituted a plan of study and teaching of legal medicine in cooperation with the Legal Aid Clinic of the School of Law. This activity with certain modifications is still in operation and forms the basis of instruction in legal medicine provided biennially for the students of the School of Law and Medicine, and the Hospital Staff.

Comparative Pathology. For some years we have hoped that an opportunity might be provided in our School for the study of the diseases of lower animals, especially those that are used so commonly in experimental medical work. There are two very sound reasons why there should be attached to the department of pathology of every medical school a com-

petent animal pathologist. The first is that medical investigators who use animals, rarely possess the necessary familiarity with natural diseases of those animals to prevent their being led into error in interpretation of their experiments. The second is that diseases of man occur also in the lower animals to an as yet undetermined extent; therefore, without knowledge of these diseases with which we live in such close contact, our progress toward understanding diseases of man himself must be slow.

Within the past few months we have been presented a small opportunity to work toward the accomplishment of our aim for comparative pathological work in our laboratories. The Department now has an arrangement with the Animal Industry Division of the North Carolina State Department of Agriculture, whereby it receives for purposes of study and diagnosis all pathological tissues obtained by the practicing veterinarians of the state and sent to the State Laboratory for study. This relationship has already brought to the laboratory interesting and instructive materials, and it promises to develop into a most helpful service for all concerned. We have also recently established a close connection with the various laboratories of the Federal Bureau of Animal Industry. This arrangement is related to certain research work in progress in the Department. For several months now we have worked in close cooperation with the experimental laboratory of the animal disease station at Beltsville, Maryland, the pathological laboratory of the Bureau of Animal Industry at Denver and Chicago, and also with the laboratories for the control of Bang's disease in Texas. These contacts have not only made available to us important materials for research purposes, but have brought us in close contact with the work of laboratories of comparative pathology, whose practical and scientific contributions we have been able to watch with much profit.

Research. The publications from the Department indicate its general and varied research activity. It has not been the policy of the Department to devote its attention to a single research program, since it has been thought best to encourage the development of individuals with their own ideas as far as is possible. Under this policy, there have developed during the past ten years several lines of work. These may be listed as follows:

- (1) The pathology of staphylococcus infections with especial relation to the effects of staphylococcus toxin upon the kidney and the vascular system. This research was begun by a former member of the Department, was pursued in another medical school, and is now being progressively developed along a variety of lines by the same worker.

- (2) Studies on the relation of sex hormones to infection with special reference to viruses. The development of this problem has taken place over a period of years under the direction of one of the present members of the Staff and has been productive of numerous contributions.

- (3) The pathology of human brucellosis and its possible relation to that of Hodgkin's disease. Research in this field is being carried on in

close collaboration with other departments and represents our most recently developed field of work.

(4) The pathology of fungus infections. This problem, which involves the study of invasion of the body by a group of plant parasites of much higher order than the ordinary bacteria, has been developed in co-operation with other departments of the School.

(5) The pathogenesis of human eclampsia. The development of this problem, which originated in the work of a former member of the Staff, now at another medical school, is the interest of a member of the present Staff.

The research policy of the Department requires that every member undertake some form of investigative work. Tenure of appointment is determined primarily by the development of research ability. At the present time all nonresident members of the Staff are actively engaged in investigative work, and four of the eight members of the Resident Staff are already at work on their own problems or are active in collaboration with senior members of the Staff. The research of the Department has been assisted by the financial aid of the University Research Council and has received further financial assistance from outside sources, among which may be mentioned: The John and Mary R. Markle Foundation, the Duke Pathological Service, a group of manufacturers of biological supplies, and personal gifts.

Academic advancement of the Staff members is dependent almost exclusively upon ability for and genuine interest in research accomplishments. In forming an estimate of this accomplishment, quality of research, and not merely number of published reports, is considered decisive. Nevertheless, full value is assigned to the intellectual development of the man and his potential value to the University as a representative of his science and as an influence for the stimulation of others.

Future Development. As suggested in the foregoing sections, certain problems are still awaiting solution. It seems fair to say that in the past ten years we have built a reasonably good foundation for sound and progressive work. In the years to come we hope to see the full utilization of this groundwork expressed in well-balanced productivity along all lines of teaching, research, and practice. For the completion of developments already well advanced or in their infancy the following needs exist:

(1) Expansion of research activity by special research assistants for which new funds must be provided.

(2) Closest control of the routine of the Department and the teaching requirement to prevent overloading of the Staff and consequent diversion of efforts from research.

(3) Adequate financial support to facilitate continuous development of promising and productive Staff members over a period of years.

(4) Provision for competent and experienced supervision and teaching of surgical pathology.

(5) Completion of the equipment of the laboratory by acquisition of certain special equipment items.

(6) The addition to the Department of a comparative pathologist, and further development in the field of diseases of the domesticated lower animals, especially those commonly used for experimental purposes.

(7) Addition to the Department of a pathologist whose interest will be predominantly in legal medicine and the development of a laboratory of medicolegal pathology.

W. D. FORBUS.

DEPARTMENT OF PEDIATRICS
1930-40

The original Staff of two has been expanded gradually to six, in addition to a House Staff of seven. From the first child treated on July 21, 1930, the number of pediatric admissions has grown to 11,740 on June 30, 1940. Howland Ward of fifty-two beds was opened for children on October 1, 1930. Previously the pediatric patients had been on Drake and other wards. The maximal census in 1939-40 was fifty-five, with a daily average of thirty-eight children. The capacity of Howland has been reached, and a children's surgical ward of eighteen beds will be opened in the near future, since the proportion of surgical pediatric to total pediatric patients has increased to more than 39 per cent on account of the remarkably large number of neurosurgical patients, crippled children, burns and other plastic problems, bronchoscopic patients, lye strictures and tracheotomies, as well as the more usual pediatric surgical conditions.

The obstetric nursery of fifty bassinets is under the supervision of the Pediatric Staff. The maximal census in 1939-40 was forty, with a daily average of twenty-four newborn infants. Due to the high incidence of toxemia of pregnancy in this area, an unusually large number of premature infants are delivered at Duke Hospital.

The pediatric dispensary has grown steadily to an average of 494 visits monthly. Approximately forty-five children also are treated each week in the pediatric syphilis clinic, which is supported jointly by the Health Department and Duke University, another example of the increasing co-operation between tax and privately supported institutions. A weekly infant feeding clinic at Duke Hospital and two in Durham also are conducted by the Pediatric Staff. In September, 1939, the number of pediatric patients exceeded the dispensary accommodations; so a morning pediatric clinic was started.

Teaching. The knowledge of pediatrics acquired by our students will, we believe, compare favorably with that in other schools because of their opportunity for observation and practical experience. In addition to an introductory course in the second year, and junior ward-rounds and clinics, all of the students, in groups of nine to twenty-two, spend one senior quarter (eleven weeks) under supervision on Howland Ward, the pediatric dispensary, the obstetric nursery, and feeding clinics. They profit from the wealth and variety of clinical material, the enthusiasm of the Staff, the cooperation of all departments, and the physical arrangements of the ward, dispensary, and laboratory.

Research. Ninety-two papers and one book have been published by members of the Pediatric Department during the past ten years. Everyone connected with the Department is engaged in some investigative activity. Most of the interns and residents have published one or more papers during their period of training.

All of us are making every effort to maintain and to improve upon the following factors which have been reported as characteristic of the ten highest ranking departments of pediatrics: consideration of the child as a whole with the various factors influencing his growth development and well-being; emphasis on physical and laboratory diagnosis and prevention; adequate beds, laboratories, equipment, supplies, and staff; introductory course in the second year; clinical clerkships without other responsibilities in the junior and senior years; extensive research program.

The Future of Pediatrics. During the past twenty years, the mortality in children has decreased 66 per cent. In 1920, one quarter of all deaths were in children, but today the ratio has fallen to one eighth. That this decrease is not entirely due to the falling birth-rate is indicated by the fact that during this same period the ratio of children to the total population fell only from 1:3 to 1:4. The need for the hospitalization of ill children should eventually decrease, as diphtheria, whooping cough, dysentery, and typhoid fever become rarities; as pneumonia and meningitis are treated at home with sulfapyridine or other drugs; as congenital syphilis decreases through the expansion of the program for treating adults; and as nutritional problems are eradicated by the simplification of infant feeding.

The importance of preventive pediatrics cannot be overemphasized, and it is in this field, as well as in practice, that pediatricians always will be needed. Seventy-five per cent of the deaths among children are preventable! One of the reasons for the rapid growth of the pediatric dispensary is the increasing number of mothers who are bringing their children for advice and preventive measures. That the millennium has not been reached, however, is illustrated by the fact that diphtheria is responsible for 7 per cent of the illness of children in Duke Hospital, and that deaths from this disease per 100,000 population are fourteen times higher in North Carolina than in New York.

Although pediatricians always will be needed in practice, public health and teaching, because the problems of children differ from those of adults, "the majority of children in this country are cared for by general practitioners and not by pediatricians."¹ Our major problem therefore is to lay a sound foundation for a student's development in pediatrics, since 40 per cent or more may go into general practice. In addition, postgraduate training must be provided, through internships and residencies, for future pediatricians, as well as short intensive pediatric courses for physicians who have been in general practice for several years. More and better research on the cause, cure, and prevention of children's diseases, and greater stress on preventive measures also are necessities.

¹ Council on Medical Education and Hospitals of the American Medical Association: Medical Education in the United States, 1934-1939, A. M. A., Chicago (1940).

Our answers to these demands during the past ten years have been: One of the heaviest pediatric teaching schedules in the United States, the training of fifty interns and residents (40 per cent of whom have gone into general practice), the obstetric-pediatric internships, the publication of ninety-two papers, and the proposed obstetric-pediatric postgraduate courses, sponsored by the North Carolina State Board of Health, The Children's Bureau, The University of North Carolina School of Public Health, and Duke University.

W. C. DAVISON.

DEPARTMENT OF PHYSIOLOGY AND PHARMACOLOGY
1930-40

During the last five years, the main teaching problem of the Department has been in pharmacology. This subject occupies a somewhat anomalous position in that its methods are essentially those of physiology, and even in subject matter it is not easy to draw a sharp dividing line. The difficulty for the instructor, and even more for the student is to arrange the subject matter in a logical scheme so that it can conveniently be remembered. A classification on a chemical basis, in the present state of our knowledge, leads to chaos from the point of view of the action of drugs, and would, in any case, be useful only to the chemist who wished to synthesize new compounds having a certain action. On the other hand, classification from the point of view of action frequently leads to the placing of the same drug in more than one category because of its different and apparently unrelated actions, and any conception of the action of the drug as a whole is lost. It has been customary in the past to use a mixed system in order to escape the disadvantages of the other two. This was the plan originally adopted in 1930. Difficulty in finding a suitable man to head this subdivision led us to reconsider it. We now feel that since the application of the subject will be in altering function (usually disordered); and since physiology, which is the science of function, does not present these classification difficulties, the best solution would seem to be a complete integration of the two subjects. We are now proceeding with this plan.

It has now become quite clear that the concentrated courses given in the first year to be effective, must be followed up in the second year by a shorter course preferably with emphasis on clinical application. Under the present curriculum this must be done in the Spring Quarter (Introduction to Clinical Medicine), at a time when we must also teach the first year. This has made necessary a slight increase in Staff beyond that contemplated in 1935.

We have been able to add the additional instructor recommended five years ago; and for the last two years have been able to obtain, during the main teaching quarter, a medical graduate of the Assistant Resident rank. This last, together with the interchange of Staff with the Department of Medicine (a member of each Staff spends one quarter annually with the other Department), has been of great use in making clear to the student the role played in the clinic by physiology and pharmacology.

The expansion of nutrition recommended in 1935 has taken place, but it is as true now as then that "it is a subject whose importance is increasing every year, and it is impossible to say what its ultimate requirements may be." It is a pleasure to record the help afforded in this expansion by the Rockefeller and John and Mary R. Markle Foundations.

In so wide a field as ours it has been impossible, without increasing the Staff beyond reasonable limits, to cover all branches equally well. Our greatest need recently has been in neurophysiology, but it is expected that the creation of the Department of Neuropsychiatry will enable this subject to be covered adequately. On the whole, then, it appears that our Staff is now adequate for our teaching needs; and while additional members would greatly increase our research output, the space now at our disposal is inadequate to provide for any expansion.

It has been gratifying to watch the steady growth of research both in amount and importance. A list of papers published is given elsewhere. The action of drugs on the isolated spleen and intestine, the pharmacology of nicotinic acid, alcoholic intoxication, carbohydrate metabolism, the circulation, and the effect of artificial fever and drugs on rabies have been studied. The development of various technics for the study of cellular enzymes has made it possible to extend our knowledge of the action of drugs on cells by quantitative investigation of the interaction of various drugs with cell catalysts *in vitro*. The action of drugs on bacterial as well as mammalian enzymes is being studied.

In nutrition, the research has been chiefly on pellagra. Before the isolation of nicotinic acid as the pellagra-preventive factor, a number of experimentally produced deficiency diseases in animals thought to be analogous to human pellagra, were shown to be different. Later the mode of action of nicotinic acid has been investigated. In addition, there have been a number of studies aimed at finding the nutritional status with respect to certain nutrients of the population of this section. This work has culminated in the project now being carried out by the Rockefeller Foundation, the North Carolina State Department of Health, and Duke, with headquarters here. In this project an attempt is being made to evaluate methods of estimating the nutritional conditions of the individual and to apply the methods to the local population. Such studies are needed in order to plan a program for improvement of the common nutrition.

A great deal of work would have been impossible without the generous and valuable assistance of other departments, particularly of the Department of Biochemistry, with which our relations are naturally the closest. No feature of the School is more valuable than this common effort toward common aims.

G. S. EADIE.

DEPARTMENT OF NEUROPSYCHIATRY
1940

Efforts were made from the beginning to establish a Department of Neuropsychiatry comparable to the other Departments, but it was not financially possible until the Rockefeller Foundation's welcome grant on

January 19, 1940, of \$175,000 over a seven-year period. The generous gift of the Highland Hospital at Asheville, North Carolina, by Dr. Robert S. Carroll on April 18, 1939, aided materially in the development of these plans. The new Department of Neuropsychiatry is to be started September 1, 1940, with a staff consisting of Drs. R. S. Lyman, R. S. Carroll, R. S. Crispell, Hans Löwenbach, R. B. Suitt, M. H. Greenhill, M. D. Kemp, D. J. Sullivan, and R. C. Carroll.

From 1930 to 1940 instruction of the students in neuropsychiatry and the psychiatric care of the patients were conducted by several psychiatrists whose assistance was greatly appreciated: 1930 to 1932, by Dr. Albert Anderson, Dr. Paul V. Anderson, Dr. J. William Beckmann, and Dr. John F. Owen; from 1932 to 1933, by Dr. Ernest M. Poate; and from 1933 to the present, by Dr. Raymond S. Crispell and Dr. M. D. Kemp.

During the past five years, interest in neuropsychiatry has grown in North Carolina. Following the study of the mental health of the state by Dr. Lloyd J. Thompson in 1935, which was made possible by a grant from the Rockefeller Foundation, the State Board of Charities and Public Welfare appointed Dr. James Watson as Director of Mental Hygiene and Dr. Richard F. Richie in charge of The Children's Unit. Our new Department of Neuropsychiatry will greatly aid this state program as well as fill the needs of the School and Hospital. There can be no doubt that the development of neuropsychiatry throughout the South will be greatly stimulated by the leadership which this new department can and will give to this difficult field of medicine.

DEPARTMENT OF SURGERY 1930-40

During the past ten years, the Department of Surgery with the subdivisions of Neurosurgery, Orthopaedics, Otolaryngology, Ophthalmology, Urology, and Dentistry, has assembled a Senior Staff which can cover the present basic clinic requirements, and has improved the quality of teaching by dividing the classes into small groups and by offering a greater variety of courses. The original Staff of five surgeons and one dentist has been increased to thirteen surgeons, one dentist, and three research assistants or associates.

The experimental laboratories have been well organized, and the amount of research has been vastly increased both as to quality and quantity. During the first five years, an average of two individuals published an average of four papers a year, while during the second five-year period, an average of ten individuals published an average of fifteen papers yearly. During the past year the papers increased to thirty-two by eighteen authors. The number of talks and exhibits given before medical societies, both local and national, has kept pace with the increase in research and publications.

The development of residence training periods of three to six years for graduate students in surgery and the surgical specialties, a matter of serious concern at the opening of the School and Hospital because of the

number of years required, has been firmly established, and the opportunity offered is much sought by a large number of graduates of our own and many other medical schools. With the growth of the Hospital, the Resident Staff (our graduate students in surgery) has increased from five to thirty-one, and residencies in General Surgery, Urology, Orthopaedics, Otolaryngology and Ophthalmology are in operation, each turning out one trained man a year as well as giving basic training to a larger group who continue their studies elsewhere.

With this growth in the number of graduate students, the graduate student-weeks of instruction and self-education have increased from 260 for 1930-31 to 1,456 for 1939-40. During this same period the undergraduate student-weeks of instruction increased from 198 to 1,260. The development of such a prolonged period of surgical training for the graduate student will turn out in this part of the South highly trained surgeons and will probably have a greater influence on surgery in this section than the undergraduate surgical instruction in the School.

The general and special surgical out-patient visits have grown from twenty-four hundred during the first year to over twenty-eight thousand last year. During this past decade, the annual number of hospitalized surgical patients increased from nine hundred to over four thousand, and the operations from twelve hundred to sixty-five hundred. During the past five years, the growth in surgical out-patient visits was 165 per cent in contrast to 30 per cent for the surgical patient days, demonstrating the increase in the number of patients seeking admission to the Hospital. The fact that many of them cannot be admitted has resulted in a greater selectivity of teaching material and an increased utilization of the available beds. These statistics from the Surgical Department are only one indication of the reputation which the Hospital has developed, and the important part it plays in the health and welfare of North Carolina and near-by states.

A *Tumor Clinic* has been developed for the coordination of the work with tumors. The various tumors are diagnosed and treated in the appropriate departments, while the Tumor Clinic serves as a central registry, coordinates the work of the surgeon, the pathologist, and the radiologist, and offers a place for the student to learn from such a co-operative arrangement.

A *Follow-up Clinic* has been developed to determine the end-results of various types of surgical treatment. Records are kept on every operation with a tabulation of the immediate and remote results. It has been possible to follow over 95 per cent of all operative patients in the groups selected. Such a tabulation is of inestimable value in the education of the students in ward rounds, the Staff in conferences, and the general profession by means of publications. It makes the results of different types of treatment available for comparison. The advantages of this clinic are illustrated by the records on patients having a ruptured appendix; in this group, the mortality has been reduced from 18 per cent to 5 per cent by changing the method of treatment.

A *Blood Bank* in which refrigerated blood can be kept for ten days has been organized, making available ample quantities of blood and plasma at any time. This undoubtedly will prove life-saving in many emergency conditions. It also eliminates the necessity of repeated return trips to the Hospital by donors, a matter of considerable importance for those coming from a distance. Furthermore, it simplifies the procuring of donors since any donor can be used, making suitable transfers in the bank, and shortens the period of delay for certain operations, thus saving days of hospital care.

Physiotherapy has grown from a small beginning with only one member on the Staff, who gave 4,966 treatments to 237 patients during the first year, to a Staff of four, who gave 21,589 treatments to 751 patients during this tenth year. Pupil nurses receive instruction in physiotherapy, and an elective course is offered to medical students. The work-space available and the physical equipment have been increased to take care of this growth, but all available space, equipment, and personnel are fully occupied, and expansion is needed.

A *Cerebral Palsy Clinic*, under the direction of the orthopaedic division, with a capacity of twelve beds, was opened March 9, 1938. Forty patients have been hospitalized, and treatment has been prescribed for an additional one hundred and sixty-four. A total of 5,382 individual treatments in muscle training have been given. In 1939 the building was enlarged and redecorated in order to give more extensive physical and better academic training to these handicapped children.

The *Surgical Division of the Diagnostic Clinic* for private patients has steadily grown and is now in the new building. All private ambulatory patients go through this division with its Staff of nine nonmedical employees, taking this load off the individual doctor's office. This clinic together with the medical division has coordinated the diagnostic studies on private patients and has played an important part in the growth and reputation of the Hospital.

Future. Our greatest need is to strengthen some of the weaker points in our triple program of teaching, research, and care of patients. An additional full-time surgeon is needed in each of the following divisions: Neurosurgery, Ophthalmology, Orthopaedics, and Dentistry in order to improve the teaching and care of patients, give time for research, and cover these services during vacations, illness, or attendance at meetings. This is particularly necessary with our present system of teaching in all four quarters. Research qualifications as well as clinical and teaching ability are given serious consideration in filling any vacancies or making any additions to the Staff, since the eventual reputation and position occupied by the Surgical Department and the School as a whole must be built on all three. Routine anesthesia is now given by graduate nurses with special training. Rapid developments in this field make it highly desirable to have in charge of this division a well-trained physician having outstanding research qualifications and with special interest in the advancement of anesthesia.

More permanent support of experimental work is another pressing need. This is now supported largely by outside grants, donations by the Staff, and appropriations from the general research funds of the University. The surgeons in charge of the laboratory and one technician are paid through the surgical budget, while two research associates, one research assistant, four technicians, one secretary, and one orderly are paid from these other funds. Additional gifts have made available over \$20,000 worth of special research equipment. These gifts for salaries, supplies, and equipment, which are the direct result of the research interest and activity of the Staff, are responsible for the greater part of the growth in research productivity during the past five years. With a larger staff carrying on greater research activities it is hoped that not only will these grants from outside sources increase, but that the work of all individuals not having access to such special funds can be financed adequately out of the budget.

DERYL HART.

THE SCHOOL OF FORESTRY

To the President of the University:

The report of the School of Forestry for the period from July 1, 1939, to June 30, 1940 is submitted herewith. This report covering the major forestry activities at Duke University also includes accounts of progress and developments in the Duke Forest and the Arboretum. The section on the Duke Forest has again been prepared by Professor William Maughan, Assistant Director of the Forest, who has been associated with the writer for the past ten years in the development of the Forest, and the section on the Arboretum has been submitted by Professor Ellwood S. Harrar, who is in charge of that project.

EDUCATIONAL PROGRAM OF SCHOOL

The second year of the School of Forestry was opened in September, 1939, with twenty-two students enrolled. Seventeen men were granted the Master of Forestry degree last June, since they were graduates of other schools of forestry or had spent two years in the Duke School of Forestry. As in previous years, a number of men were enrolled in the Graduate School of Arts and Sciences with forestry as their major field of study. Some work in forestry is also being elected by students majoring in other fields.

Last year's student body was again widely representative, being composed of men from sixteen different educational institutions and as many different states. The following states were represented: Alabama, California, Colorado, Delaware, Indiana, Iowa, Maryland, Missouri, Montana, New Jersey, New York, North Carolina, Ohio, Pennsylvania, Tennessee, and Virginia.

All of last year's graduates, as well as those of the previous year, are constructively employed in the field of forestry, some in federal and state work but most of them are in the pulp and paper, lumber, or other wood-using industries.

The spring field trip for students in forest utilization under Professor A. E. Wackerman, being extended to two full weeks, was devoted to field inspections of mills and woods operations of a wide variety of forest industries, located in and around Brunswick and Savannah, Georgia, and Charleston, Georgetown, and Sumter, South Carolina.

The equipment of the School has been still further increased and its collections have been augmented. The installation of an experimental wood preserving plant capable of injecting into wood liquid preservatives under pressure up to 225 pounds per square inch has greatly increased the facilities for instruction and research in the field of seasoning and preservation of wood. This equipment is located at the East Campus heating plant near the University's dry kiln.

INSECT AND INSECT-WORK COLLECTION

During the past year Professor James A. Beal devoted considerable time to assembling a collection of forest insects for use in teaching. Dr. Beal donated his own personal collection to the School of Forestry, for which we are very grateful. To this collection were added specimens obtained as gifts from Dr. Beal's former colleagues through exchange, and during field trips. Considerable local material has also been added to the collection. During the past summer, in connection with a trip to New England, a number of northeastern species were obtained. In the same way many western representatives were collected during the summer of 1939. The School of Forestry collection now contains over 200 genera and nearly 1,000 species of insects representing most of the economically important groups of forest insects in the United States and Canada. Most of these are adult forms which have been determined, labeled, and indexed in the collection files. In addition to the adult material, the collection is rapidly being expanded to include other important stages of forest insects.

The collection of work specimens or material showing characteristic damage by specific forest insects has proceeded in much the same manner as has the insect collection. However, since such material is more difficult to obtain, by far the greater portion of the present supply has been collected by Dr. Beal on his own field trips either prior to or during the past year.

PERMANENT WOOD COLLECTION

About 700 specimens have been added to the permanent wood collection during the past year. This brings the total number of authentic wood samples to more than 2,700 and the collection now includes representatives from 673 genera and 122 plant families. Although the present international situation has made it increasingly difficult to arrange for foreign exchanges, negotiations have been completed for the School to obtain a valuable collection of timbers from the British Empire.

The slide collection has been materially augmented by more than 2,500 permanent microscopic mounts of woods, the gift of Professor E. S. Harrar, who has deposited his personal collection in that of the School of Forestry. The receipt of this teaching and research material is gratefully acknowledged. This brings the total number of slides (including duplicate specimens) to more than 4,600. A collection of slides of Indian timbers and another of Panama woods were also added during the past year.

FUTURE NEEDS OF DUKE SCHOOL OF FORESTRY

The immediate and future needs of the School were stressed in reports of the last two years. These pertain to adequate permanent quarters for the School, further enrichment of its library, increased resources for student loans, scholarships, and fellowships, and for research by both students and Faculty members. During the year alumni and Faculty of the School of Forestry made further contributions to the School's student loan fund

initiated by a number of contributors to the Duke University Centennial Fund, thus evidencing their strong conviction as to the need for further increase of this student loan fund.

Another distinct need is for a school forest in the Coastal Plain where problems pertaining to this very important region which includes forests of longleaf, slash, and loblolly pines, and bottomland hardwoods, can be studied and practical forest management measures developed and perfected.

THE DUKE FOREST

Activities in the Duke Forest during the year 1939-40 were mostly of a routine nature, as evidenced by the following brief descriptions of detailed operations. While each operation is, in itself, usually a small undertaking, the sum total of all efforts represent a vast amount of planning and effort to carry out; and when each activity is dovetailed somewhere into the general scheme or policy for managing the property, it is felt that considerable progress has been made in furthering the general objectives of the Forest. Approved practices such as planting and silvicultural cuttings have been applied to additional areas; markets for forest products have been expanded resulting in more intensive forestry being practiced; public use and demonstrational activities continue to increase; fundamental forestry research and experimentation has been intensified; and fire protection and suppression has been vigilantly maintained at an efficient level.

PLANTING IN THE FOREST

The major portion of the 1939-40 tree-planting program was conducted in the Hillsboro Division, where several fields recently withdrawn from cultivation were returned to productive use by stocking with young trees. A total of 53.58 acres of new plantations were established, 42.24 acres of which were located in the Hillsboro Division. This raises the total area planted in the Forest to date to 814.25 acres. For the first time in several seasons more shortleaf pine was planted than any other species. Of a total of 50,200 trees set out this year, 23,000 were shortleaf pine, 17,200 loblolly pine, 9,000 red cedar, and 1,000 yellow poplar. All of this planting stock was used in establishing new plantations, and this raises the total number of trees used in the Forest to date in establishing new plantations to approximately 811,000. All the planting stock was, as customary, purchased from the Division of Forestry of the North Carolina State Department of Conservation and Development and came from the forest-tree nursery maintained by this agency near Clayton, North Carolina.

As has been the case for the past several years, cooperation received from the Soil Conservation Service of the U. S. Department of Agriculture has been of material assistance in furthering the planting program in the Forest. During 1939-40 this agency supplied C.C.C. labor and part of the supervision for planting some 21,000 trees on a little over 25 acres in the Hillsboro Division.

SILVICULTURAL OPERATIONS IN THE FOREST

Silvicultural cuttings of one type or another continue to be effected in line with the management policy for the Forest. The first thinning in pine stands, as described in previous reports, was carried out on 56 acres, which raises the total area thus treated in the Forest to 690.5 acres. Second thinnings in the same stand were made for the first time this year when several small areas, totaling 13.7 acres were thinned for the second time since silvicultural treatment was started in the Forest.

Young second-growth pine stands were pruned to improve the grade of timber produced by the pruned trees on 14.3 acres, of which 2.6 acres represented new or first prunings and 11.7 acres comprised second prunings in stands that had received their first pruning four or five years ago. About 2 acres of this year's pruning was done in a plantation set out by the Forest Staff in February, 1932. The area of stands in the Forest in which first prunings have been carried out now totals 206.7 acres, while second prunings have been effected on 11.7 acres.

Liberation cuttings to release a thrifty, young understory from the competition and retarding effect of scattered older trees were made on approximately 6.3 acres. One cutting was to release young pine from older pine "wolf" trees and another, on about one-half acre, was intended to release young cedar from scattered old hickories and defective oaks. The selection system of cutting, in which individual trees are selected and marked for removal leaving other trees to grow and develop for subsequent cuts, was applied on about 12.8 acres. This makes the second time that this stand has been selectively cut.

Final cuttings, designed to obtain natural regeneration of the stands, or to make way for artificial restocking were made on 43.7 acres. Of this area, 30.2 acres were clear cut and 13.5 acres received a second shelter-wood cutting. The clear-cuttings included the clearing of an additional strip (the second) in the regeneration experiment in the mature stand at the Crow's Nest, as described in the report of the Forest for 1935-36, and the expansion of existing clear-cut patches in another part of the same stand. On another area which had received a severe cutting just prior to acquisition by the Forest, the scattered, defective, and inferior trees were clear-cut for fuelwood to make way for planting, as an experiment on the effectiveness of an attempt at conversion from poor-grade, decrepit hardwoods to pine.

MARKETING OF FOREST PRODUCTS

The marketing of products from the Forest is gradually becoming one of the major activities in the management of the area. Increasing emphasis is being placed on this phase of the operations; and as growing stock is built up and more markets are developed, it is anticipated that sustained production from the area will be of outstanding significance.

During the year 1939-40 there were cut and sold from the Forest 180,000 feet of pine sawlogs, 11,000 feet of oak logs, 3,500 feet of red

gum logs, 13,000 feet of red cedar logs for cedar chests and a little hickory and yellow poplar for a total of 208,000 board feet of sawtimber. In addition, 172 pine poles (with a volume of 26,700 board feet) were shipped to creosoting companies, 54 units ($1\frac{1}{4}$ cords per unit) of pine pulpwood went to a pulp company, 119 Christmas trees were marketed, and approximately 900 cords of fuelwood were cut and sold. Numerous minor products were also marketed from the Forest during the year, as follows: 1,846 yards of sand from the creek bottoms, approximately 950 cedar posts, about 70 cedar and flowering hardwood trees for transplanting, and some 50 individual small trees and 2 truck loads from thinning operations to be used for decorative purposes at student functions. Products shipped from the Forest during the year required $13\frac{1}{2}$ railroad cars, bringing to 57 the total number of carloads of products shipped from the Forest to date.

Of special interest at this time in connection with the marketing program is the contribution that the Forest has recently been able to make in the interests of national defense. Faced with the need for rapid expansion in existing navy yards and defense radio facilities, the Government has placed large orders for extra long poles and piling material, and the companies which ordinarily supply this material have been hard pressed to locate and obtain the extra long timbers.

Having some of this long material on hand, in the stand near the Crow's Nest, the Staff was willing to cooperate with the companies and get it out although the cutting of pine during the dry summer season was contrary to policy owing to the danger of infestation by bark beetles in the remaining trees. This action meant that special precautions had to be taken, such as peeling stumps, removing the stripped bark, and burning the green tops. It is understood that some of the long 80- and 90-foot poles from the Forest are to be used in constructing a large radio net or antennae at the United States Naval Academy at Annapolis Maryland, and that the long piling is going to the Norfolk and New London Navy Yards.

PROTECTION OF THE FOREST FROM FIRE

Eight fires occurred in the Forest during the year, burning over an area of 12.24 acres, for an average of 1.53 acres per fire. Seven of the fires, covering 9.3 acres, occurred in the Durham Division, while the eighth, which burned approximately 3 acres, was located in the New Hope Creek Division. Four of the seven fires in the Durham Division, covering 6.9 acres, originated on the right-of-way of the Southern Railway, which skirts the northwest corner of the Durham Division of the Forest. Adequate compensation for the damage caused by these fires was later collected from the Railway.

The fire in the New Hope Creek Division originated on a neighbor's land early one cold morning and was the immediate cause of the death of an aged colored neighbor. The fire was apparently caused by an overheated stove that set fire to the small shack in which he was sleeping, and spread to the dry grass surrounding the shack and thence into the Forest.

Considerable assistance was obtained from other neighbors in bringing this fire under control. Two of the other three fires occurred along public roads through the Forest and were undoubtedly caused, either by pedestrians or by carelessness on the part of passers-by in cars. The third fire was caused by woodhaulers who set fire to a hornet's nest and then carelessly left it without being sure it was entirely extinguished.

It was a source of gratification to the Forest Staff that no fires occurred on the day of the Duke-Carolina football game, when many thousands of people were in and around University property. At that time the grass was dead and dry and the forest also was unusually dry, creating a hazardous fire condition. Owing to the dry conditions, special precautions were taken on that day; and men with fire equipment were stationed along many of the roads leading to the stadium, since, in case of fire, a truck with men and fire equipment could not have maneuvered in the heavy traffic.

PUBLIC USE OF THE FOREST

The Forest continues to be a center for recreational use by members of the University and Durham communities. Picnicking, riding, and hiking are still gaining in popularity. The demands for picnic sites, particularly in the autumn and spring, far exceed the facilities, and many times all of the areas are reserved for every day for two or three weeks ahead. To meet the current requests, it would be necessary to have two or three times as many picnic sites as are now available.

During the year 1939-40, the five picnic sites were used by 698 separate parties comprising a total of 8,974 people, or an average of approximately 13 persons to the party. This number of users represents an increase of approximately 23 percent over 1938-39. As usual, the Gate 7 area and Piney Mountain were the most popular sites, nearly 3,000 using the former and over 2,000 the latter. Approximately 1,500 or more persons used each of four sites, and over 1,000 used the fifth area.

Horseback riding in the Forest also continues in popularity, and during the year nearly 4,400 persons participated in this activity, according to the records of the Riding Academy in the Forest.

THE FOREST AS A DEMONSTRATION CENTER

The Duke Forest continues to attract many persons, professional foresters, scientists in allied fields, educators, operators, timberland owners, and others, who come here to inspect methods of operation, forest research projects, and the application of approved forestry practices in general. These visits are encouraged, since it is believed that one of the best methods of disseminating forestry knowledge is through personal contacts and observation. Since the development and demonstration of approved forestry practice was one of the acknowledged objectives in organizing the Duke Forest, continued interest in our work on the part of persons from elsewhere is considered significant.

Teachers of forestry at other institutions are more and more making a point of visiting here with student groups. During the past year classes

from four colleges spent one or more days in the Forest including: Professor B. A. Bateman and 29 students from Louisiana State University, Baton Rouge, Louisiana; Professor Torkel Holsoe and 15 students from West Virginia University, Morgantown, West Virginia; Professor W. D. Miller and a large group from North Carolina State College; and Professor C. T. Pope, Jr., and several students from the Department of Forestry, College of Agriculture, Rutgers University, New Brunswick, New Jersey.

Several other delegations making a special trip to Durham to inspect the Forest during 1939-40 were as follows: fourteen officials of the Soil Conservation Service, U. S. Department of Agriculture, including the State Coordinators of the seven Southeastern States, Mississippi to Virginia, headed by Dr. T. S. Buie, Regional Conservator, Spartanburg, South Carolina; a group of nine foresters, pathologists, and soil scientists from the Washington offices of the Soil Conservation Service and the Bureau of Plant Industry, U. S. Department of Agriculture; and a group of 21 Civilian Conservation Corps camp educational advisors from District A, 4th Corps Area, headed by Dr. Halsey, Director of the C.C.C. educational work in the 4th Corps Area, Atlanta, Georgia.

Each year several visitors from foreign countries are conducted through the Forest. Notable among foreign visitors during the past year were: Dr. Maxwell Jacobs, Research Officer, Commonwealth Forestry Bureau, Canberra, Australia; Mr. Christopher Swabey, Director, Colonial Forest Service, Jamaica, British West Indies; Dr. R. L. Pendleton, Soil Scientist, Department of Agriculture and Fisheries, His Majesty's Siamese Government, Bangkok, Siam; Guillermo Ponce, Forest Supervisor, Bureau of Forestry, Philippine Government, Manila, Philippine Islands; and L. H. Baker, Warren, Ontario, Canada.

ARBORETUM

The establishment of permanent group plantings by species has been continued with 21 more forms being transferred from the lining beds to the Arboretum area during the 1940 planting season. During this same interval, seedling stock of 18 species, mostly conifers, was moved from the nursery to the transplant beds. Several species which required special treatment for germination were propagated in the greenhouse. Most of these have since been potted and will be moved outside to either the nursery or lining beds next spring.

The extreme temperatures of the winter of 1939-40 resulted in the loss of some stock in both nursery and transplant beds. The most serious losses of the winter, however, were caused by rabbits and possibly other rodents. They partially or wholly girdled many trees 1 to 3 inches in diameter and cut off, at or near the ground line, the leading shoots of smaller plants. Some of the plants have made excellent recovery, while others have died. Seedlings in the nursery were not attacked in this manner. The mimosas and rosaceous species were the most severely damaged, although very few of the exotic species escaped some injury.

Recognizing the fact that continued development of many species would be endangered, if not prohibited, were these pests permitted to forage at will, the Commissioner of Game and Inland Fisheries was consulted and his cooperation solicited in bringing the rabbit menace under control. He has agreed to cooperate in controlling rodent activity in the Arboretum this autumn, and it is hoped that damage and losses from this source this winter will be greatly reduced. In passing, it should be mentioned that a few plants were lost by drought during the summer. These might have been saved had water been available.

Soil erosion control work was begun on some of the badly eroded gullies in the area. Small gullies were filled with soil and staked, and a series of check dams constructed in the larger ones.

Seed and planting stock have been comparatively easy to obtain. To assure their continued propagation, however, is more difficult. Young plants, particularly exotics, require nearly constant attention through the growing season. They must be watched for insects and sprayed at the proper time, many of them are in need of frequent waterings, all of them require periodic fertilization. With the ever-increasing number of plantations in the Arboretum the need for the services of a technically trained nurseryman and plant propagator becomes acute. Other needs of the Arboretum were outlined in last year's report; hence they need not be repeated here.

FORESTRY RESEARCH

Members of the School of Forestry Faculty have continued their intensive program of research, and during the past year a number of projects were completed and the results prepared for publication. Also, several new projects were initiated.

Work was continued by Professor T. S. Coile on a study of the influence of incorporated organic matter on water-holding characteristics of important Piedmont forest soils. Another study was started on forest soil fertility with the object of determining the basic fertility levels of Piedmont forest soils as they are reflected in growth and foliar composition of seedlings of loblolly pine and black locust.

A study of the relationship between soil-site factors and site index and yield of pure, even-aged stands of loblolly pine and shortleaf pine in Durham County was started in June, 1940. It is expected that the information obtained will form the basis for a classification of the land of Durham County according to its capacity to produce timber crops. The results will be used as a part of the physical basis for a land use study of Durham County by Professor Thomson.

An investigation of factors influencing a marked decrease in the radial growth of loblolly pine and shortleaf pine on different soils was started in June, 1940, by Professor Coile. It is expected that field work will be completed in the autumn.

Professor Coile completed the preparation of a manuscript on "Soil Changes Associated with Succession of Loblolly Pine in Piedmont

Plateau," which will soon appear as a bulletin in the Duke School of Forestry Series.

Research on foreign and domestic cabinet woods by Professor E. S. Harrar is nearing completion. Data on the physical and pertinent mechanical properties have been obtained and the results are in manuscript. He proposes to complete this project with a critical study of anatomical properties leading to the identification of this group of timbers. This will include the preparation of keys based upon both macroscopic and microscopic features.

Professor Harrar has completed negotiations with a firm in Louisville, Kentucky, whereby they will supply all the materials for a series of studies on hot-press glueing of southern plywoods. The initial phase of this work, which is already under way, is concerned with the strength of the bond and its resistance to moisture when blood albumen is added in varying quantities to the basic adhesive. A second series of tests are being planned which will determine the efficiency of surface moisture repellants for several southern timbers used in the plywood industries. The effect of press time, press temperature, and initial moisture content of the veneers themselves upon the strength of various bonding complexes will also be studied.

In connection with studies of the effect of thinning and pruning on the growth and yield of pine stands, thirty-one permanent sample plots in the Duke Forest were remeasured. From the measurements thus made, available growth of the stands on the plots during the five years between measurements is being computed preliminary to the preparation of a report on these studies. A study of the relative sprouting capacity of hardwoods as affected by age was undertaken by Professor C. F. Kors-tian during the year. He has continued the studies of natural reproduction of forest stands, mentioned in previous reports. Following one or two more years' observations a report will be prepared for publication summarizing the important results of these studies.

Work was continued by Professor P. J. Kramer on a study of the effects of length of day on length of growing season of several tree species. Further evidence was obtained in open air experiments that yellow poplar, loblolly pine, and slash pine grow later in the autumn if the period of daylight is lengthened by use of electric lights. Incidental to this study considerable data were obtained on differences in rate of growth of different species of seedlings. This study is being terminated, and the results will be prepared this winter for publication. Mr. Decker, a graduate student, has obtained data showing that certain types of wax sprays used to reduce transpiration also greatly reduce photosynthesis and, at least under some conditions, reduce growth of pine seedlings. He is continuing his work on the rates of photosynthesis of red, white, and loblolly pines. Mr. McDermott, another graduate student, has continued his studies on dormancy and germination of northern red oak acorns, and has obtained considerable data concerning the effects of time of collection, chemical treatments, and storage conditions on germination. He

also started last spring a monthly collection of root and leaf samples of loblolly pine, which are being preserved for chemical analysis when time permits. This should give information concerning seasonal changes in amounts and kinds of food materials in roots and shoots.

In mensurational research under the guidance of Professor F. X. Schumacher, two projects have been completed and reported upon and one is still active. Methods of allocating the ground area of timber stands among the trees therein have been completed and applied to pure loblolly pine as well as to the several groups of species in the pine-hardwood types. A new growth curve has been developed here, and has been successfully applied to yield studies of loblolly and Virginia pines by the U. S. Forest Service. Professor Schumacher is still pursuing his work on the influence of precipitation and temperature distribution, during and preceding the growing season, on the width of annual rings of timber trees. A first progress report has been published in *Ecological Monographs*.

A grant from the General Education Board made it possible for Professor R. B. Thomson to make substantial progress on a study of land use in Durham County, North Carolina, and for Professor A. E. Wackerman to undertake a study of markets for forest products in central North Carolina.

Several research projects in forest pathology have been carried forward by Professor F. A. Wolf and his graduate students. Two papers were published during the year, and four additional papers are now in press. A manuscript is now in preparation in cooperation with Dr. R. W. Davidson, Division of Forest Pathology, U. S. Bureau of Plant Industry on a leaf disease of ash seedlings. A study of a root-rot disease of red cedar caused by *Fomes unmosus* is in progress. In this study J. K. Miller will correlate ecological factors with susceptibility and course of the disease.

PUBLICATIONS

A number of articles of a scientific or technical nature, based upon research, were written during the year by members of the Faculty of the School of Forestry or by graduate students. Papers by Faculty members published during the year are included in the list of publications appended to the report of the Chairman of the University Council on Research, in this bulletin.

The revision of the *Textbook of Dendrology* by Professor W. M. Harlow of the New York State College of Forestry and Professor E. S. Harrar of the Duke School of Forestry has been completed, and the manuscript is in the hands of the publishers.

NATIONAL YOUTH ADMINISTRATION ACTIVITIES IN FORESTRY

Continued assistance on forestry projects was received during the 1939-40 school year from students employed with funds supplied by the Federal Government through the National Youth Administration, al-

though the volume of help obtained represented a drastic reduction over that received in previous years. A total of 2,021 man-hours were devoted to investigative, research, and administrative projects, which was a decrease of 1,786 man-hours, or 53.1 per cent from the 3,807 man-hours received in 1938-39.

Of the total aid received, 925 man-hours were devoted to field projects, the most important of which were the remeasuring and remarking of existing permanent sample plots, inspection of seed traps and collection of seed in a pine regeneration experiment, pruning of young pine to extend the pruning study, and several minor plantation studies.

The remaining 1,096 man-hours were consumed on inside projects including: considerable work in soils research in the soils laboratory, computing and tabulating records of permanent sample plots, photographic and slide collection activities, general clerical work, and computations on several minor investigations.

STAFF ACTIVITIES

Members of the Faculty of the School of Forestry, in addition to their regular duties, continue to take an active part in the work of outside professional and scientific organizations concerned directly or indirectly with forestry or allied sciences.

During July and August, 1939, Professor Coile completed an inspection of forest management research activities in the Northeast and Lake States regions. With the objective of preparing a problem analysis for research in forest soils the work of federal, state, and private forestry agencies was studied. It was desired to evaluate the place of soils research in aiding the solution of problems in forest nurseries, plantation establishment, methods of forest cutting, methods of obtaining desirable reproduction, and the proper use of forest land. All of the experimental forests and several of the Agricultural Experiment Stations were visited; and a special trip was taken through the Shelterbelt area in the Prairie States Region. A report on the work was submitted to the Division of Forest Management Research of the U. S. Forest Service in June, 1940. It will be distributed to the various forest experiment stations and to other agencies.

Professor Coile presented a paper entitled "Soil Changes with Forest Succession" at a meeting of the Soil Science Society of America in New Orleans, Louisiana, on November 20, 1939. He was elected vice-chairman of the Forest Soils subsection of that organization.

Professor Schumacher spent three weeks during the summer as consultant in experimental design and in projects involving sampling procedures for the Department of Forestry Relations of the Tennessee Valley Authority.

Professor Wackerman spoke before the annual meeting of the National Commission Lumber Salesmen's Association in Louisville, Kentucky, last June on the subject "Selective Selling Promotes Permanent Lumber Industry."

Professors Maughan, Wackerman, and Korstian became associated with the Duke Power Company in August, 1939, in the capacity of consultants in the development of a forestry program on the Company's extensive holdings. This is a long-range program that may have far-reaching influence on the management and wise use of forest properties by other private owners in this region.

In December, 1939, Professor Korstian was reelected President of the Society of American Foresters for a second two-year term. Since the Society is the only national organization of professional foresters in this country, its officers are now considering various ways in which forestry and foresters may come into the present national defense program. Professor Korstian has been requested to serve as a consultant to the administration of the Roster of Scientific and Specialized Personnel and as a member of the Evaluation Committee in the fields of agriculture and forestry. He has also been appointed as the liaison representative of the Division of Biology and Agriculture, National Research Council on the Council's Committee on Cellulose and Allied Substances in the Division of Chemistry and Chemical Technology, which Committee is making a survey of all possible sources of cellulose that might be made available for national defense or in any emergency.

At the request of the Chief of the Bureau of Entomology and Plant Quarantine, United States Department of Agriculture, Professor Korstian, for the past several months, has been serving along with Professor A. G. Ruggles, of the University of Minnesota and State Entomologist of that state, on a committee to review the research, quarantine, and control work of that Bureau pertaining to the gypsy moth. The work of this committee involved several thousand miles of travel in New England, New York, New Jersey, and Pennsylvania and the interviewing of many federal and state officials, entomologists, foresters, and other people having knowledge of the work of the Bureau on this insect. Incidentally it afforded Professor Korstian an opportunity to become better acquainted with forest conditions and forestry practices in New England, and especially the extent to which they were affected by the catastrophic hurricane of September, 1938.

Mr. Carlton J. Blades, Forest Assistant, resigned August 1, 1939, to take the position of Forester for the Duke Power Company, and was stationed at Great Falls, South Carolina, by that organization.

On November 3, 1939, Mr. Harry C. Haines, a graduate of the Duke School of Forestry in June, 1939, returned to Duke from the Appalachian Forest Experiment Station to take over the position of Forest Assistant vacated by Mr. Blades.

Mr. W. R. Boggess resigned as Forest Assistant, effective October 28, 1939, to engage in forestry research for Alabama Polytechnic Institute.

On May 1, 1940, Mr. Virgil Watkins, Forest Assistant since February 1, 1940, resigned to accept a position with Durham County, North Carolina, as Engineer-Forester and assistant to Mr. W. B. Pace, County

Agent. Watkins was replaced on June 1, 1940, by Mr. Donald Lynch, a 1940 graduate of the Duke School of Forestry.

Graduate students or recent graduates of the School are used in the interim between the resignation of a forest assistant and the appointment of another and occasionally to help the forest assistants when their work becomes particularly heavy.

CLARENCE F. KORSTIAN,
Dean.

THE SUMMER SCHOOL

To the President of the University:

The twenty-second session of Duke University Summer School closed September 2. There was a slight decline in enrollment due to the fact that we reduced our offerings by dropping from the roll instructors whose classes had not drawn much enrollment last summer. Had these classes been continued, with the same enrollment they had the summer of 1939, we should have shown an increase of approximately 150 students. We should continue the policy of dropping classes that persistently show small enrollments. This will probably mean the discontinuing of practically all our undergraduate courses for teachers within the next two or three years. Nearly all the teachers in this area now, with the exception of those certified more than ten years ago, hold the Bachelor's degree and are, therefore, looking for graduate courses. Discontinuing the Junaluska Summer School, except for the School of Religion section, was accomplished without friction. The Junaluska School of Religion enrolled twenty-six students taught by five instructors. The School arranged its program without regard to the dates of the Duke University Summer School so that a student could not transfer to or from either term at Duke and take another term at Junaluska. This fact made possible a more satisfactory schedule at Junaluska and, so far as I know, interfered with the plans of only one student.

The summer school calendar still presents difficulties. Giving the week following Commencement to the religious institutes has apparently helped them with their program, and it has been beneficial to the Summer School in two ways:

1. It has relieved tension in the graduate, undergraduate, and summer school offices in preparing for Summer School;
2. It has made it possible for students from some Northern schools and larger schools in this area which do not close until June 15 to enroll in the first term, instead of coming the middle term as we had it three years ago.

Scheduling registration for the first term Tuesday after the second Monday, instead of Monday as last year, and leaving a day between the first and second terms of the summer session proved helpful to the Housing Bureau. There is the difficulty, however, that we cannot find twelve full weeks after Tuesday of registration for the first term, without running past Labor Day. Many summer students who teach in the public schools must return home for the opening of their schools by September 1. It would seem that our best solutions would be:

1. To offer as many three weeks' courses as we can, continuing the work of the first six weeks and giving as many students of the first term nine weeks' work as desire to take it;
2. To offer all courses the second term of Summer School for five weeks only with proportionate reduction in credit.

The first solution offers little difficulty. We have given a few courses on this basis for the last three or four years, with satisfactory results. The problem is for each department offering such courses to be careful in stating its prerequisites and as far as possible to offer the prerequisites in the first six weeks. Students who complete related work over a period of nine weeks certainly have a better unit than those who complete it over six weeks. There are administrative difficulties, however, that would have to be worked out by the Deans' offices, particularly for undergraduate students, in the matter of dealing with the second solution. As far as credits are concerned, since the common practice of summer schools is to offer units of only two semester hours, the matter of organizing our courses into units of two and one-half semester hours instead of three semester hours as at present would not be difficult, on the graduate level. There is also the fact that we now require thirty-three weeks for the Master's degrees. Three terms of eleven weeks would work easily in the records of the Graduate Office. The difficulty comes, however, in the case of courses meeting the uniform requirements for undergraduate degrees. For example, if a student should take second-year German or another foreign language for only five semester hours of credit, the Dean's Office would have to decide whether to let him complete his third year and satisfy the foreign language requirement with seventeen semester hours instead of eighteen, permitting him to get an additional hour toward graduation in his elective work. It would probably not be feasible to offer all of the required courses the first term of Summer School, when each course would carry the regular credit of three semester hours. It might be possible to require a student to make a minimum grade of "C" in order to count a five-week course as required work. If administrative difficulties can be worked out, I recommend that the summer session be shortened to eleven weeks.

In the summer of 1940, 70 students completed the Master of Arts degree (31 men and 39 women); 55 completed the Master of Education degree (38 men and 17 women), and of these, 10 completed the requirements by taking the reading courses instead of writing a thesis; 60 completed the Bachelor of Arts degree (43 men and 17 women); and three completed the B.S. degree. So far as I have been able to learn by inquiry, all were pleased with the arrangement made by the Trustees and Faculty for them to receive their diplomas immediately after Summer School instead of having to wait until next June.

The Summer School employed on its Instructional Staff 167 persons (counting each man employed full time for six weeks as one instructor and counting him twice if he happened to work twelve weeks). Of these, 108 were members of the Duke University Faculty, 50 others had

taught in previous terms of Summer School, and nine were visiting instructors teaching their first term in Duke University Summer School. Visiting men teaching advanced courses the past summer were drawn from such widely scattered institutions as Southeastern Louisiana College, Bowdoin College, University of South Carolina, University of Illinois, University of Wisconsin, Queens College, University of Pennsylvania, University of North Carolina, Davidson College, University of Virginia, New Jersey College for Women, Hunter College, University of North Dakota, University of Chicago, New York University, University of Chattanooga, University of Arizona, Northwestern, Johns Hopkins, Louisiana State University, Columbia University, California Institute of Technology, West Virginia University, and State College of Washington.

The Summer School faces the problem of conferences and institutes similar to the problems of the regular year, perhaps intensified by the fact that more than two thirds of our students are teachers and supervisors of public schools. In the first place, this homogeneous group of students has interests in current problems and would like to hear outstanding speakers who are dealing with these problems. On the other hand, they are so busy with their work that they may embarrass the University by failing to give a representative audience to a distinguished speaker when he comes. In the second place, there are all sorts of movements and worth-while organizations that desire to present their propaganda to the summer school group, and the group is sometimes too quick to assume that it is being propagandized and to stay away from the conferences that are planned. In the third place, the pressure of these outside movements that come to the campus for publicity is likely to leave the impression with the general public that summer work is largely of a chatauqua propaganda type, an impression resulting in bad advertising rather than good.

The past Summer School showed enrollment of 2,762 registrations made by 2,280 students, this latter figure being obtained by counting only once students who enrolled for more than one term of six weeks. There were in addition to these 2,762 registrations, 177 students enrolled in the Schools of Medicine and Nursing, making a total of 2,939 registrations for the summer session. Of these registrations, 1,858 students were enrolled in the first term of Duke University Summer School, and 878 the second term, with 26 in the Junaluska School of Religion at Lake Junaluska. Of the total registrations, 1,316 in the first term and 614 in the second term were by teachers in the public schools. Leaving out of consideration students of professional schools and those enrolled at Lake Junaluska, we had a distribution of graduate and undergraduate students shown in Table 1. Six graduate students and one undergraduate were enrolled at the Marine Laboratory the first term of Summer School. Eight graduate students and three undergraduates enrolled there the second term.

TABLE 1
NUMBER OF GRADUATE AND UNDERGRADUATE MEN AND WOMEN ENROLLED IN
SUMMER SCHOOL, 1940

	<i>Men</i>		<i>Women</i>		<i>Total</i>		<i>Total Registrations</i>
	<i>I</i>	<i>II</i>	<i>I</i>	<i>II</i>	<i>I</i>	<i>II</i>	
Graduates.....	510	319	614	266	1,124	585	1,709
Undergraduates.....	364	155	370	138	734	293	1,027
<i>Total</i>	874	474	984	404	1,858	878	2,736*
Total 1939, for comparison..	892	484	1,041	457	1,933	941	2,874*

*These totals do not include the Junaluska registration of 26 in 1940 and 141 in 1939.

Graduate students constitute slightly more than 62 per cent of the total enrollment. There was a decrease of 32 graduate registrations as compared with 1939. There were 1,376 men enrolled and 1,398 women. Of the graduate students, 829 registrations were by men, and 880 by women. There were 519 undergraduate registrations by men, and 508 by women.

Table 2 gives the distribution of undergraduate students among twenty departments offering undergraduate work.

TABLE 2
DISTRIBUTION OF UNDERGRADUATE STUDENTS BY DEPARTMENTS, 1940

<i>Department</i>	<i>I</i>			<i>II</i>			<i>Grand Total</i>
	<i>Men</i>	<i>Women</i>	<i>Total</i>	<i>Men</i>	<i>Women</i>	<i>Total</i>	
Chemistry.....	42.0	6.0	48.0	11.0	3.0	14.0	62.0
Economics.....	56.0	28.0	84.0	16.5	9.5	26.0	110.0
Education.....	16.5	95.0	111.5	5.0	42.0	47.0	158.5
Engineering.....	43.0	....	43.0	....	....	....	43.0
English.....	42.5	73.0	115.5	30.0	20.0	50.0	165.5
Forestry.....	.5	....	.5	1.0	....	1.0	1.5
French.....	11.5	15.5	27.0	9.0	10.0	19.0	46.0
German.....	8.0	5.0	13.0	....	....	....	13.0
Greek Literature..	16.0	2.5	18.5	15.0	9.0	24.0	42.5
History.....	32.5	42.0	74.5	19.5	8.5	28.0	102.5
Hygiene and Health.....	6.0	5.5	11.5	....	....	....	11.5
Mathematics....	1.0	.5	1.5	1.0	....	1.0	2.5
Music.....	1.0	2.5	3.5	....	....	....	3.5
Physics.....	18.0	6.0	24.0	3.0	3.0	6.0	30.0
Political Science..	8.0	13.5	21.5	8.5	9.5	18.0	39.5
Psychology.....	11.0	4.5	15.5	.5	.5	1.0	16.5
Religion.....	9.5	29.0	38.5	....	....	....	38.5
Sociology.....	5.5	27.5	33.0	23.0	16.0	39.0	72.0
Spanish.....	28.5	14.0	42.5	9.0	6.0	15.0	57.5
Zoology.....	7.0	....	7.0	3.0	1.0	4.0	11.0
<i>Total</i>	364.	370.	734.	155.	138.	293.	1027.

The departments most heavily enrolling undergraduate teachers suffered losses as follows: economics, 8.5; education, 52; English, 14.5; history, 15. As has been indicated, these losses will probably continue because the teachers in this area are no longer undergraduates.

Table 3 shows distribution of graduate students by departments. The enrollments listed in engineering, forestry, German, Greek literature, and hygiene were graduates enrolled in undergraduate courses.

TABLE 3
DISTRIBUTION OF GRADUATE STUDENTS BY DEPARTMENTS, 1940

Department	I			II			Grand Total
	Men	Women	Total	Men	Women	Total	
Botany.....	8.0	6.5	14.5	3.0	3.0	6.0	20.5
Chemistry.....	18.0	2.0	20.0	2.0	2.0	4.0	24.0
Economics.....	21.5	9.5	31.0	7.5	5.0	12.5	43.5
Education.....	251.5	317.0	568.5	166.0	129.0	295.0	863.5
Engineering.....	2.5	....	2.5	....	....	....	2.5
English.....	53.0	128.0	181.0	33.5	62.0	95.5	276.5
Forestry.....	.5	....	.5	2.0	....	2.0	2.5
French.....	3.5	18.5	22.0	3.5	7.0	10.5	32.5
German.....	2.5	2.0	4.5	....	....	....	4.5
Greek Literature.....	....	....	....	....	1.0	1.0	1.0
History.....	54.5	56.0	110.5	32.5	24.5	57.0	167.5
Hygiene and Health.....	....	.5	.5	....	....	....	.5
Mathematics....	13.0	17.5	30.5	10.0	5.0	15.0	45.5
Music.....	1.0	4.5	5.5	....	....	....	5.5
Nutrition Research.....	....	1.0	1.0	....	....	....	1.0
Philosophy Research.....	1.0	....	1.0	....	....	....	1.0
Physics.....	4.5	6.5	11.0	10.0	5.0	15.0	26.0
Physiology Research.....	1.0	....	1.0	1.0	....	1.0	2.0
Political Science.....	14.5	2.5	17.0	11.5	4.0	15.5	32.5
Psychology.....	10.0	6.0	16.0	6.0	4.5	10.5	26.5
Religion.....	7.0	8.5	15.5	....	....	....	15.5
Sociology.....	25.0	15.0	40.0	15.5	9.0	24.5	64.5
Spanish.....	1.5	7.0	8.5	1.0	....	1.0	9.5
Zoology.....	16.0	5.5	21.5	14.0	5.0	19.0	40.5
Total.....	510.	614.	1124.	319.	266.	585.	1709.

Graduate students for 1940 were admitted from 281 colleges in more than thirty states. One hundred and eighty-nine registrants, 115 men and 74 women, had already received Master's degrees from the following institutions: A. & M. College of Oklahoma, Alabama Polytechnic Institute, Birmingham-Southern, Bowling Green, Columbia, Cornell, Duke, East Texas S. T. C., Emory, Florida State College for Women, Peabody College, Kent State, Louisiana State, Loyola, Mississippi State College, Mt. Holyoke College, N. C. State College, Ohio State, Pennsyl-

vania State College, Seton-Hall College, Southern Baptist Training Seminary, Southern Methodist, State Teachers College, Montclair, N. J.; Temple, Tulane, Union Seminary, Alabama, Arizona, California, Chicago, Florida, Georgia, Illinois, Iowa, Michigan, Mississippi, North Carolina, Pennsylvania, Pittsburgh, Richmond, South Carolina, Southern California, Tennessee, and Virginia, Vanderbilt, Wellesley College, Wesleyan University, West Virginia University, Western Reserve, Woman's College of U. N. C., and Yale.

Table 4 shows distribution of classes of Duke students and alumni attending Summer School of 1940.

TABLE 4
DISTRIBUTION OF DUKE ALUMNI AND STUDENTS ENROLLED IN THE
1940 SUMMER SCHOOLS

	<i>I</i>			<i>II</i>			<i>Grand Total</i>
	<i>Men</i>	<i>Women</i>	<i>Total</i>	<i>Men</i>	<i>Women</i>	<i>Total</i>	
Masters.....	15	12	27	13	6	19	46
Graduates.....	28	23	51	16	16	32	83
Seniors.....	55	6	61	27	4	31	92
Juniors.....	98	49	147	49	16	65	212
Sophomores.....	92	27	119	35	11	46	165
Freshmen.....	75	13	88	15	5	20	108
<i>Total.....</i>	363	130	493	155	58	213	706

This table counts as Seniors only those students who could complete graduation requirements by the end of the summer and counts as Juniors all others who have completed three or more years of work; as Sophomores those who have completed two years; and as Freshmen those who have one year at Duke. The number of Duke alumni and students has arisen from 579 in 1936 to 649 in 1937, to 654 in 1938, to 668 in 1939, to 706 in 1940. The Duke graduates in 1940 were 129 as compared with 110 in 1939. The Sophomores in 1940 were 165 as compared with 137 in 1939. There were fifteen fewer Freshmen in 1940. There were eight students (five men and three women) the first term, and five (three men and two women) the second term who entered on the basis of their high-school diplomas.

Excluding the enrollment from the professional schools, the summer enrollments by states sending more than 100 students each were: North Carolina, 563; Pennsylvania, 422; West Virginia, 252; South Carolina, 206; Florida, 185; Virginia, 153; Georgia, 133; Ohio, 109; New Jersey, 107. The following states each contributed as many as twenty-five students: New York, 91; Tennessee, 70; Mississippi, 68; Kentucky, 66; Maryland, 58; Alabama, 47; Delaware, 25. Enrollments from other states, District of Columbia, Puerto Rico, and foreign countries were as follows: Arizona, 1; Arkansas, 17; California, 2; Colorado, 2; Con-

necticut, 15; District of Columbia, 11; Idaho, 1; Illinois, 21; Indiana, 9; Kansas, 4; Louisiana, 13; Maine, 7; Massachusetts, 15; Michigan, 13; Minnesota, 3; Missouri, 9; Nebraska, 5; New Hampshire, 3; New Mexico, 2; North Dakota, 2; Oklahoma, 6; Rhode Island, 2; Texas, 7; Wisconsin, 5; Canada, 2; China, 1; Cuba, 1; and Puerto Rico, 2. North Carolina was represented by registrations from 76 of the 100 counties. Durham led with 163 registrations, Buncombe sent 12; Cleveland, 14; Davidson, 13; Forsyth, 20; Granville, 12; Guilford, 34; Mecklenburg, 25; Person, 10; Pitt, 12; Rowan, 11; and Wake, 17. The enrollment included 1,930 teachers, of whom 34 worked in colleges and the others in the public schools of 33 states.

The enrollment the first term of 1940 included 389 men and 403 women who had attended at least one preceding term of the Duke University Summer School. These 792 students, chiefly graduate students working for degrees, had attended an average of three terms each. They represented all the terms of Summer School ever held on the Duke campus except the opening term (1919). Since students working for the Master's degree are required to complete their work within six years, and since it is usually convenient for them to come the same time each summer, it is interesting to observe the number of students returning from each succeeding first term of the last five years who came the first term of 1940 as follows: from 1935, 61 (of whom 33 were here for the first time that year); from 1936, 123 (of whom 68 entered Summer School that year); from 1937, 195 (of whom 95 entered that year); from 1938, 391 (of whom 172 were newcomers that year); and from 1939, 565 (of whom 207 entered at that time). Of the 33 who entered in 1935, 20 completed Master's degrees last summer; of the 68 from 1936, 31; of the 95 from 1937, 49; of the 172 from 1938, 19. These statistics do not include persons who had part of their work during the academic year or students who entered the second term of some year in the last six. Unless the national emergency interferes with summer school enrollments in 1941, it would appear that we shall have perhaps about 175 Master's candidates completing requirements for degrees this summer.

This report was compiled in first draft before the death of President William Preston Few. In rewriting it for the President's Annual Report after President Few's successor had been chosen, I wish particularly to record the fact that the Summer School as a department of the University was in a peculiar sense encouraged and fostered by Dr. Few. Early in the winter of 1918-19 he mentioned to the present director that Professor William K. Boyd was renewing with considerable insistence the suggestion that Trinity College open a summer school, and that the administrative officers, meaning Professor Flowers, Professor Wannamaker, and himself, were giving it some consideration. Contrary to his usual caution he indicated that he himself was already committed in his own mind to the idea that such a school should be attempted. From that day forward until his death last fall I have never

heard him speak one word other than of encouragement for the summer school development, and I have never heard anyone quoted as saying that he expressed any desire contrary to the continued development of the work. The bringing of large numbers of public school teachers to the campus during the summer was a matter of delight to him, and he frequently expressed his especial delight in the high type of graduate work available in his own department, that of English, during the summer. I know that he was interested in all the departments of the University and I know also that he made all of us connected with the Summer School feel that we had his hearty support and good will. If the day comes that fellowships earned on the basis of superior work in Summer School are awarded for completing Doctor's degrees in the academic year, the first such fellowship created in the English Department should be named in his honor.

HOLLAND HOLTON,
Director.

THE UNIVERSITY LIBRARIES

To the President of the University:

I submit herewith the report for the libraries of the University for the academic year 1939-40.

This report is in two parts. The first part consists of the statistical record for the Library as a whole. The second part contains separate reports for the University Library, the Law Library, the Hospital Library, and the Library of the School of Religion. The report for the Woman's College Library is included in that submitted by the University Librarian.

The following two tables give the number of accessions for the year, the total number of volumes held, and the number of periodicals and newspapers received:

TABLE 1

	<i>Accessions 1939-40</i>	<i>Total Volumes June 30, 1940</i>
University Library		
General Library	22,346	451,428
Woman's College Library	4,258	46,895
Hospital Library	1,337	37,933
Law Library	3,754	65,157
<i>Total</i>	31,695	601,413
Less discards and losses		1,178
<i>Total volumes in the libraries</i>		600,235

TABLE 2

	<i>Current Periodicals Received</i>	<i>Current Newspapers Received</i>
University Library		
General Library	2,341	57
Woman's College Library	212	18
Law Library	321	7
Hospital Library	415	0
<i>Totals</i>	3,289	82

The total expenditures of the several libraries for books, bindings, and periodicals were as follows:

TABLE 3

University Library	
General Library	\$ 89,354.93
Woman's College Library	9,433.86
Law Library	15,471.17
Hospital Library	4,817.88
<i>Total</i>	\$119,077.84

Circulation statistics never cover more than a portion of the use of the libraries. The following table presents these summaries of use in so far as they were recorded:

TABLE 4

	<i>Loans for 1939-40</i>
University Library	
General Library	201,500
Woman's College Library	110,942
Law Library	20,688
Hospital Library	No record
Volumes loaned to other libraries	1,940
Volumes borrowed from other libraries	1,785
<i>Total recorded circulation</i>	<i>336,855</i>

The Library Staff consists of sixty-two members, the same number reported for the previous year.

May I call special attention to the sections of the reports of the University Librarian and the Law Librarian which deal with the need for the expansion of their respective buildings. Though the growth of these libraries can be continued by placing books in the Woman's College Library Building, the basement of the Chapel, and in other out-of-the-way places, this procedure increases the cost of operation and impedes the use of the material. It is to be hoped that within the near future the means will be found for the removal of this barrier to the University's progress.

HARVIE BRANSCOMB,
Director.

THE UNIVERSITY LIBRARY

I present herewith the report of the University Librarian for the academic year 1939-40.

GENERAL DEVELOPMENTS

During the year 1939-40 the University Library, with its various departmental libraries and the Woman's College Library, continued its efforts to render adequate library service to the University community. To increase the effectiveness of these efforts, a number of changes were made in the organization and routines of the Library, and several new services were inaugurated. A few of the more significant of these are mentioned here.

The work of ordering, receiving, and cataloging serial and periodical publications was consolidated in a separate department. These publications now constitute such a large proportion of the Library's accessions and present such peculiar problems that separate treatment is advisable.

The physical arrangements of the delivery hall on the second floor of the Library Building have been altered so as to render the room more attractive and also provide better accommodations for the display of new accessions, books of current interest, and a special selection of classics and semiclassics for general reading.

The circulation of bound periodical volumes shelved in the stacks has been moved from the main circulation desk to the Periodical Room,

where the current issues are shelved. Periodical indexes and special guides, formerly shelved in the main Reference Room, have also been moved to the Periodical Room. This arrangement brings together the current and back issues of the Library's periodicals, along with the indexes and other guides needed for their effective use.

The Library's extensive collection of federal and state documents has been completely reorganized. These documents, which were formerly scattered throughout the stacks, have now been brought together in a systematic arrangement. Cataloging and classification of this material by the usual methods employed for books has been discontinued. The new arrangement follows the scheme developed and used by the Superintendent of Documents Office in Washington, with printed bibliographies serving as indexes to the subject matter.

A new method of collecting fines for overdue books was inaugurated early in the year. Fines are no longer collected for small initial offenses, but are deferred until subsequent offenses during the semester make collection advisable. This plan has eliminated the troublesome collection of small fines from occasional or unintentional offenders, and has not increased the number of offenses. It has undoubtedly helped to create a better understanding and respect for Library regulations on the part of the students.

During the summer of 1940 the public card catalog underwent a thorough revision by the Catalog Department under the direction of Miss Malone. The cards were separated into two groups to form two distinct catalogs, one composed of the cards that list books by their authors and titles and the other of the cards that list books by the subjects they treat. Both the maintenance and the use of the catalog are thus simplified. The physical arrangements of the Card Catalog Room have also been improved.

The Woman's College Library has long needed a catalog of the holdings of the West Campus Library. Such a catalog has now been provided and is proving very useful to Faculty members and students on the East Campus.

To meet the need for some regular and direct means of communication between the Library administration and the Faculty, the issuing of a monthly News Letter was begun in February of this year. The Letter contains notices of new developments in the Library and other matters of interest to the Faculty.

The interlibrary loan service between this Library and the University of North Carolina Library has been greatly improved by the inauguration of regular automobile service for the transportation of books between the two institutions. In the course of the year 1,227 volumes were borrowed from the University of North Carolina and 960 volumes were loaned.

THE STAFF AND ITS WORK

Mr. Joseph P. Breedlove, organizer of Trinity College Library and Librarian of Trinity College and Duke University since 1898, was ap-

pointed Librarian Emeritus early in the year, and has continued in active service throughout the year in this position.

Miss Eva E. Malone, Assistant Librarian and Head of the Catalog Department, announced her retirement to be effective December 31, 1940. It is a source of deep regret to the Library Administration and Staff that Miss Malone's health will not permit her to continue the able and faithful service that she has given the Library for more than twenty-six years. The Library, as it stands today, is in large part what Mr. Breedlove and Miss Malone have made it.

Dr. Mortimer Taube, formerly at Rutgers University Library, took over the position of Head of the Order Department on February 1, 1940.

It is encouraging, however, to note that there have been relatively few changes in other positions on the Staff.

Several members of the Staff have held offices and served on committees in national and state library organizations. Miss Evelyn Harrison continued to serve as Treasurer of the North Carolina Library Association. Dr. G. A. Nuernberger was elected chairman of the College and University Section of the North Carolina Library Association. The Librarian was appointed chairman of the Book Buying Committee of the American Library Association, and member of the Finance Committee of the American Library Association, the National Defense Committee of the Association of College and Research Libraries, and the State Planning Committee of the North Carolina Library Association.

Publications by members of the Staff during the year include the following:

NUERNBERGER, G. A.

"The Continental Treaties of 1856: An American Union 'Exclusive of the United States,'" *The Hispanic American Historical Review*, XX (Feb., 1940), 32-55.

Review: *Essays in Pan-Americanism*, by Joseph Byrne Lockey, in *The Hispanic American Historical Review*, XX (May, 1940), 242-244.

Review: *A Study of the Extent to Which Existing Printed Government Indexes and Catalogues Can Replace the Card Catalogue in Making the Contents of Federal Documents Available*, by Grace A. Campbell, in *The Library Quarterly*, X (July, 1940), 426-427.

NUERNBERGER, RUTH K.

"Archival Work," *Library Journal*, LXIV (Dec. 1, 1939), 919.

TILLEY, NANNIE M. (ed.)

"Letter of Judge Alexander M. Clayton relative to Confederate Courts in Mississippi," *Journal of Southern History*, VI (Aug., 1940).

Miss Mary Wescott presented a report at the Southeastern Library Conference on certain phases of inter-library cooperation between Duke University and the University of North Carolina.

ACCESSIONS

The number of volumes added to the University Library during the year 1939-40 was 26,604 (General Library 22,346; Woman's College Library 4,258), bringing the total holdings to 498,323 (General Library 451,428; Woman's College Library 46,895).

The total number of current periodicals received by the University Library was 2,553 (General Library 2,341; Woman's College Library 212), an increase of 150 over the previous year. The total number of current newspapers received was 75 (General Library 57; Woman's College Library 18), a decrease of 1 from the previous year.

Accessions to the manuscript collection numbered 56,772 pieces, bringing the total holdings to 637,404 pieces.

The Library's collection of books on microfilm was increased by 87 rolls, representing 166 printed volumes, during the year, and now contains 380 rolls, representing 790 volumes.

The accessions to the George Washington Flowers Memorial Collection for the year 1939-40, which are included in the above totals, numbered 55,631 pieces (38,552 manuscripts, 9,193 books and pamphlets, 6,564 newspapers, 535 broadsides, 360 sheets of music, 320 pictures, and 107 maps). These accessions bring the total number of pieces in the Flowers Collection to 602,158.

The total expenditure for printed and manuscript materials for the year 1939-40 was \$98,788.79 (General Library \$89,354.93; Woman's College Library \$9,433.86). These funds were derived from the following sources:

Budget Funds	\$55,199.21
Library Fee Funds	23,289.35
Income from Endowed Book Funds	351.10
Contributions by Friends (including Flowers Fund)	15,792.99
Summer School Funds	1,400.18
Special Library Fees in particular courses	2,549.95
Lost Book Fund	206.01
	<hr/>
	\$98,788.79

The accessions for the year include also many volumes acquired by gift. From Friends of the Library 707 volumes were received, and from 275 other individuals and institutions 742 volumes. During the year 1,200 volumes and 300 current periodicals were acquired by exchange.

The European political situation has interfered seriously with the acquisition of material from the continent, particularly Germany, France, and Italy. In consequence, the Library has devoted a larger share of its funds than normally to the purchase of material from England, the United States, and South America. Our accessions include many interesting and important items, some of which are listed here.

Books and Periodicals

Actuarial Society of America. *Transactions*. Vol. I (1889) to date.

The Actuarial Society of America was established for the purpose of "promoting actuarial science by such methods as may be found desirable." The *Transactions* include the proceedings of the meetings and papers by members of the Society.

American Lumberman. 1919 to date.

This trade journal, now in its sixty-ninth year is, as it purports to be, "the exponent of the American lumber industry."

American Philosophical Society. *Proceedings*. Vol. I (1840) to date.

The *Transactions* of the American Philosophical Society, the oldest scientific association in the United States, were acquired in 1938.

Antonio, Nicolás. *Bibliotheca hispana vetus*. 2 vols. *Bibliotheca hispana nova*. 2 vols.

These two works constitute the standard bibliography of early Spanish writers; the first for the period before 1500, and the second for the period from 1500 to 1684.

Der christliche Apologete. Vol. I (1839) to date.

The official organ of the German-speaking conferences of the former Methodist Episcopal Church. Published in Cincinnati.

The Free Trader. Vol. I (1903) to date.

Published by the Free Trade Union of London to supply accurate information on all matters bearing on the question of Free Trade and Preferential Tariffs.

Giornale di chimica industriale ed applicata. Vol. I (1919) to date.

The organ of the Società di chimica industriale di Milano, the Associazione chimica-industriale di Torino, and the Federazione nazionale delle associazioni fra industriali chimici.

Le Globe; journal philosophique et littéraire. 1824-32.

A complete file of an important liberal journal. In 1831 it became the official organ of the Saint-Simonian community.

Göteborgs Högskolas Arsskrift. Vol. XI (1905) to date.

A yearbook devoted to the humanities, and ranking high among the regular publications of European institutions of higher learning.

Indian Journal of Economics. Vol. I (1916) to date.

Issued by the Department of Economics of the University of Allahabad.

Irish Parliamentary Papers. 1921 to date.

A complete set of the Irish Free State and Northern Ireland Parliamentary Debates, Public Acts and Statutes since the separation in 1921. An important complement to the *British Parliamentary Papers* acquired in 1938 and 1939.

The Liberal Magazine. Vol. I (1893) to date.

A London periodical "for the use of liberal speakers, writers, and canvassers," published under the direction of the Liberal Publication Department.

Le mois; synthèse de l'activité mondiale. Vol. I (1931) to date.

The material in each issue is grouped under three headings: "La vie politique, économique et sociale," "Lettres, théâtre et arts," and "Les sciences." Published in Paris.

Norske Videnskaps-Akademi. *Mathematisk-Naturvidenskabelige Skrifter*. Vol. I (1894) to date.

The publications of the mathematics and natural science section of the Norwegian National Academy. Text in Norwegian, German, French, or English.

Société de l'histoire de France. Publications. 1834 to date.

The *Annuaire historique* (1837-63) and the *Annuaire-Bulletin* (1863 to date) of the Société de l'histoire de France were acquired in 1938.

Sur; revista trimestral. Vol. I (1931) to date.

The leading South American literary journal. Published in Buenos Aires.

Sussex Archaeological Collections. Vol. I (1848) to date.

An annual publication of the Sussex Archaeological Society, "illustrating the history and antiquities of the county."

Tourneux, Maurice. *Bibliographie de l'histoire de Paris pendant la Révolution française, 1890-1913*. 5 vols.

This work, a model of historical bibliography, was awarded the "prix Brunet" by the Académie des inscriptions.

Variétés sinologiques. 62 vols.

A series of monographs on such varied subjects as "La philosophie de Wang Yang-Ming" and "Le canal impérial." Published in Shanghai since 1892 by the Imprimerie de la Mission Catholique.

The James A. Robertson Collection of Philippiniana.

A library of some five thousand books, pamphlets, and manuscripts, recognized as the most comprehensive collection in existence of material on the Philippine Islands. The late Dr. Robertson, who assembled the collection over a period of many years, was editor of *The Hispanic American Historical Review* and held other important positions that aided him in his collecting. The contents of the collection range from such standard and monumental works as Robertson's own *Philippine Islands* in fifty-five volumes to specimens of Tagbanua writing and a pre-Spanish calendar.

Southern Americana (Flowers Collection). Among the many rare and unusual printed items added to the Flowers Collection the following may be noted:

Acts passed by the General Assembly of the Colony of Georgia, 1755- to 1774. Ash, Thomas. *Carolina; or, A Description of the Present State of That Country, and the Natural Excellencies Thereof.* London, 1682.

"Cato" on Constitutional "Money" and Legal Tender. Charleston, 1862.

Drayton, John. *Letters Written During a Tour Through the Northern and Eastern States of America.* Charleston, 1794.

Narrative of Colonel David Fanning. 1861.

Sammlung von Erbaulichen Gesängen zum Gebrauch bey dem Öffentlichen Gottes Dienste, für die Deutschen Gemeinen in Nord-Carolina. Salisbury, 1797.

Manuscripts

James Blanton (Farmville, Va.). Letters and papers, 1808-97. 829 pieces. (Flowers Collection)

A diverse collection valuable from many points of view but especially strong in materials bearing on the Grange or Patrons of Husbandry, an important movement in agricultural classes that has never yet been described and explained in its proper setting.

J. Milton Emerson (Haverhill, Mass.). Diary, 1841-42. (Flowers Collection)

Emerson, who came to the eastern shore of Virginia to serve as a teacher for several families, kept a detailed and pertinent account bearing on such topics as agricultural methods, free Negroes, religious activities, and the behavior of slaves.

Lawrence M. Keitt (Bennettsville, S. C.). Letters and papers, 1854-64. 225 pieces. (Flowers Collection)

A valuable and hitherto little used collection of an important and ardent secessionist.

William Munford and Powhatan Ellis (Richmond, Va.). Letters and papers, 1802-99. 2,083 pieces. (Flowers Collection)

Few collections from Virginia are so valuable. It contains literary materials of three generations of the Munford family, business correspondence of Charles Ellis of the firm of Ellis and Allan, diplomatic correspondence of Powhatan Ellis, a long series of letters from students at the University of Virginia, and numerous letters which, together, give an excellent picture of life in Richmond, Va., from 1835 until 1890.

Battaile Muse (Berkeley County, Va.). Letters and papers, 1753-91. 6,838 pieces. (Flowers Collection)

This collection is spectacular for its content of letters from Revolutionary leaders, among which are George Washington, John Francis Mercer, James Mercer, Hugh Nelson, Wilson Miles Cary, and John Lewis Gervais. It is more valuable, however, for light shed on the desertion of tidewater farms by planters who sought more fertile areas farther west. The collection also contains much information relating to Lord Fairfax and his family. Battaile Muse, from time to time, acted as financial agent for many planters prominent in Colonial and Revolutionary Virginia.

B. G. Pulliam and H. T. Connally (Leasburg, N. C.). Letters and papers, 1801-80. 415 pieces. (Flowers Collection)

Confined almost wholly to the 1870's, these papers are of a type seldom preserved, the records of country merchants with much information on time prices and commercial fertilizers.

Edward Telfair (Savannah, Ga.). Letters, 1775-1807. 35 pieces. (Flowers Collection)

These letters reflect many phases of the career of a leader in the movement which led to the Revolutionary War. They contain concrete information on the question of keeping white settlers out of Indian territory.

Microfilm

Books printed in Great Britain before 1550.

The project begun by Edwards Brothers in 1937 of filming books printed in England before 1550 is now practically complete. The titles included are those listed in Pollard and Redgrave's *Short Title Catalogue*.

Vincent de Beauvais. *Speculum Morale* and *Speculum Doctrinale*.

These two works of the great Medieval encyclopedist are now extremely rare. The Library already has the *Speculum Historiale* in an original edition. Foreign newspapers.

Microfilm subscriptions have been placed for several of the more important foreign newspapers to save binding and storing of the current issues.

Use of the Library

The circulation statistics for the University Library for the year 1939-40 are presented as follows:

Main stack collection	
Outside building (2 weeks loan)	72,559
Inside building	9,426
Carrels	17,898
Periodical Room (current issues)	1,875
Undergraduate Reading Room (outside only)	28,352
Graduate Reading Room (outside only)	14,015
Departmental Libraries (outside only)	57,375
Woman's College Library	
Outside building (2 weeks loan)	44,670
Inside building and overnight	66,272
Books borrowed from other libraries and circulated	1,785
Books loaned to other libraries for circulation	1,940
<i>Total recorded circulation for the University Library</i>	<i>316,167</i>

The statistics of the use of the Reference Room for the year 1939-40 are as follows:

Attendance	39,865
Routine questions answered	4,628
Reference questions answered	5,044

FUTURE DEVELOPMENTS AND NEEDS

A plan is now under consideration for improving the Library's service to undergraduates by expanding the present Undergraduate Reading Room to include a larger collection of books selected for the special needs of undergraduates. It is believed that a general collection of five thousand to twenty thousand volumes to which they can have direct and

free access, supplemented by special reserves, will meet the needs of undergraduates, particularly Freshmen and Sophomores, quite adequately and much more efficiently than the present arrangement does. Such a collection, properly classified and indexed by a simple catalog, and supplemented by a suitable selection of reference books, will constitute a fitting introduction or stepping-stone to proper use of the main catalog, stack collection, and Reference Room in the last two undergraduate years. The proposed scheme is physically possible, since there is extra shelf space in the Undergraduate Reading Room and a portion of the stacks on that level can also be used if necessary. With current and bound periodicals and the periodical indexes, which are used extensively by undergraduates, now available in the Periodical Room, the development of the Undergraduate Reading Room would concentrate undergraduate use of the Library on the first floor of the building to the advantage of both the students and the Staff.

In the development of the Library Staff special emphasis is being laid on the Reference Department. It is becoming more and more evident that the lack of reference librarians with adequate training in the various academic fields is a handicap in the proper development of the Library and its services. To secure such librarians with the proper training will involve additional salary funds, but with a good reference staff it will be possible to effect certain savings in the processing or technical departments of the Library, namely, in the Order, Catalog, and Circulation Departments. As a part of this program of developing the reference or service phase of the Library's functions, the improvement of the service in the departmental libraries is also essential. This can be effected by appointing librarians with both academic training and library experience, particularly in the School of Religion and the Biology libraries.

The lack of adequate building facilities continues to be one of the most serious handicaps to efficient library service. It will soon become impossible to add books to the Library for lack of shelf space in the stacks, and the inadequacy of the Staff's working quarters is being more and more keenly felt as the functions and services of the Library continue to increase. It is earnestly hoped that this situation will soon find either a permanent solution in the construction of a new Library building or at least a temporary one in the construction of an addition to the present building. For only with adequate building facilities can the Library continue to render full return to the University for the expenditures made for books and staff salaries.

JOHN J. LUND,
University Librarian.

THE LAW LIBRARY

Since during the past year the growth of the Law Library has continued in accordance with policies which have heretofore been discussed, and since there has been no particularly significant recent development,

it may be well at this time to give a brief account of the Library's growth after it was established in the Law School Building just ten years ago.

In August, 1930, when the General Library was moved from the East to the West Campus, a basic legal collection of 12,156 bound volumes was transferred to the Law Library. However, in order to meet the greatly broadening needs of the Law School, and the increasing demands for legal materials coming from other departments of the University, an accelerated program of expansion was inaugurated at once. The Staff, which had consisted of but one member, was increased as new persons could be secured and trained, until six full-time Staff members had been secured.

At first the collection grew rapidly, as the more urgently required volumes were for the most part readily available at reasonable prices. Gradually, however, the rate of growth dropped as greater thought and care were involved in making selections, and as the needed books became more expensive and were more difficult to locate. Budgetary limitations further curtailed the program of expansion. For example, in the year 1930-31 a total of 21,287 volumes was added. The decline in the rate of growth was indicated by the fact that 9,861 volumes were added in 1931-32 and 3,596 in 1932-33. For the decade, the average annual growth was 5,300 bound volumes. During the past fiscal year 3,807 volumes have been added, so that the Library now contains 65,158 bound volumes. While it is of interest to note that this is the largest legal collection in the South, it is only necessary to make comparisons with a number of law schools in other parts of the country to demonstrate the extent of the task that lies ahead.

The adequacy of the collection, however, is but one factor in the development of a library. The full use of the books that are available is quite as important. Needless to say, as the rate of growth declined and as the size of the Staff increased, it became possible greatly to improve the service to the public: first, by providing for a more prompt acquisition of contemporary materials; second, by reducing the time required for cataloging; and, third, by making the most of these gains through the development of an adequate readers' service. As an integral part of its program, the Staff is making every effort to strengthen the bibliographical resources of the Library so as to have available information about all legal publications whether they are in the Library or not. In connection with every aspect of its program the needs for legal materials by the entire University community are being constantly kept in mind, and are being met except where budgetary limitations prevent.

While the developments noted above have obviously contributed to a greater efficiency in the service provided, it is a regrettable fact that the inadequacy of the Library quarters is already imposing discouraging limitations both upon the work of the Staff and upon the use of the books by the public. Since this problem must inevitably become more

aggravated, it is to be hoped that definite plans to provide more adequate quarters will not be long delayed.

WILLIAM R. ROALFE,
Latv Librarian.

THE HOSPITAL LIBRARY

The Duke Hospital Library has continued its smooth functioning in the year 1939-40. In July, 1940, the Library, along with the Medical School and the Hospital, rounded out its first decade.

At the opening, in July, 1930, the Library contained 10,781 volumes, and new accessions were then coming in rapidly, as the orders previously placed by Dean Davison were being received. By July, 1931, there were 17,843 volumes on the shelves and 440 subscriptions to journals. In size the Library now, with 37,933 volumes and 415 current periodical subscriptions, ranks second in the South and twenty-eighth in the nation. The average medical school library in the United States contains 20,000 volumes and subscribes to 272 journals. Apart from size, qualitatively the Library is considered to be very well equipped for teaching, research, and clinical reference purposes.

No records are kept in the Hospital Library of the numbers of visits, books withdrawn, etc. Suffice it to say that all of about 260 medical and 140 nursing students, 95 members of the Resident Staff (interns) and 93 members of the Teaching Staff use the Library. The Library is also used extensively by the staffs of the two neighboring medical schools and by the graduate students and instructors of this University as well as by physicians of the region. The commodious facilities of the beautiful reading room, opened in 1934, and its air conditioning during the warm months contribute greatly to this extensive use.

It has been consistently, and still is, the working policy of the Committee not to expand in any particular field until competent judgment and demand in that field become available on our Staff. As matter of fact, no book is purchased and no subscription is entered for the Library until it is examined and approved by an authority on the subject on our Staff and by the Committee. This policy has resulted in a relatively smaller rate of increase in the number of books, as distinct from journals; on the other hand, it has also minimized the too rapid accumulation of the "transient" and "out-of-date" materials, allowing sufficient latitude, however, for monographs and reviews on rapidly developing new subjects.

With us, as with the other libraries, the war has interfered materially with the regular arrival of the foreign journals, especially of those from the continent of Europe. We are maintaining, however, all of our subscriptions to these journals, and surprisingly, many of them are coming through, even though irregularly. It is to be noted in passing that American medicine has become much more self-sufficient, both in research and in publications, so that at present the shortage of the European periodical literature and monographs is not felt nearly as

acutely as during the first World War. We are aware, however, that with the general disorganization of European science, it is more than ever incumbent upon us in this country to maintain in our libraries as complete repositories of the world's literature as is still possible. It is not difficult to foresee that at the end of the war our American libraries will perhaps be the only ones in which scholars will find nearly adequate collections of records of this tragic period of history.

In conclusion, I wish to express the appreciation of the Staff and student body of the Medical School and Hospital of the faithful and efficient services rendered to the Library by Miss Judith Farrar, the Librarian, and also by her mother, Mrs. S. S. Farrar, who graciously gives her service on a voluntary basis.

W. A. PERLZWEIG,
*Chairman, Duke Hospital
Library Committee.*

THE LIBRARY OF THE SCHOOL OF RELIGION

The Library of the School of Religion had its beginning in the religious book section of the Trinity College Library. Perhaps it should be dated from the gift in 1897 of a sum of money by Mrs. W. H. Avera, in memory of her husband, the income of which was designated for books on religious subjects or for lectures on religion. To the volumes purchased by this means was added the gift of many volumes. The Methodist ministers of the state were particularly loyal to this part of the Library, and a number of them bequeathed to it their entire book collections. Among the more notable gifts or legacies of this sort were those of the Reverends Harry M. North, W. S. Black, and R. H. Willis.

With the development of the University one of the major issues which faced the Library authorities was whether an effort should be made to separate the books and other materials in the field of religion from the general book collection of the University. It was felt that, while this could be done in the fields of law and medicine, it was virtually impossible in the case of religion without an excessive and unnecessary duplication. It is not only in the fields of philosophy and history that the two collections overlap, but also in the fields of sociology, psychology, education, and, in fact, in virtually all the fields involved in the work of the School. A practical solution to the problem was suggested by the fact that the School of Religion Building was located by the University architect next to the General Library Building. It was decided that a special book collection and reading room would be provided for the School of Religion, but that the Library should remain an integral part of the organization of the General Library, share in the book buying, binding, and other services of the latter and regard the periodical, reference, and other rooms of the central building as part of its own facilities. This explains the fact that in the organization of the University Library system, the Library of the School of Religion does not appear as a separate

unit. This does not imply any lack of interest in the Library nor indifference to its needs and opportunities.

With the establishment of the School of Religion in 1926 its Library was rapidly expanded. Several endowed funds have aided in this, the Joseph G. Brown Fund, the Gratton Williams Fund, and the Mr. and Mrs. J. J. Ormond Memorial Fund, in addition to the Avera Fund already mentioned. Several special collections have been acquired, the church history library of Karl Holl, the collection of Wolf von Baudissin on the Old Testament, and a remarkably complete collection of the diocesan records of the Protestant Episcopal Church, being perhaps the most outstanding. Under the direction of Professor Garber a very extensive collection of minutes of the annual and general conferences of the Methodist Church, both North and South, has been built up. Five Greek New Testament manuscripts have been acquired, and a number of the earliest printed English Bibles, including a copy of the King James edition of 1611. At the close of the fiscal year the total number of volumes in the Library was 27,890. The acquisitions for the year totaled 823. Because of the fact that many volumes of interest to students of religion are housed in the General Library and not included in these totals, the figures have little more than suggestive value as indicating the extent of book materials available in the field.

During the course of the past year a new system of lighting was installed in the reading room. The basic needs, however, are for a larger and better ventilated reading room and for the development of certain specialized library services for this group of readers.

HARVIE BRANSCOMB,
Director of Libraries.

THE DUKE CHAPEL

To the President of the University:

In his annual report as Director of Religious Activities on July 30, 1940, Mr. Fred N. Cleaveland explained that the accomplishments listed took in not only his own part in the work, but also that of Mr. Denny D. Williams (Class of 1939), who served as Secretary of Religious Activities during the year, and of Miss Florence Moss (Class of 1932), Director of Religious Activities for the Woman's College. He then added: "We have come to look upon ourselves in association with the Dean of the Chapel as a sort of Staff of Religious Activities." I should like to make these last words my own, and to suggest that such a staff ought to be definitely organized.

These Staff members have served as ex-officio members also of the standing committees of our University Church. The latter have carried out an extensive and highly differentiated program of work in a most painstaking and commendable way. A brief statement of their achievements will afford an outline picture of the Church itself as an effective force in our campus life.

Our Membership Committee, on my strong insistence, adopted the policy of concentrating upon the Freshman Classes of the two campuses. The Church and its claims were presented in platform addresses and in a systematic campaign of personal visitation. Some work was done also with graduate students, Faculty members, and secretarial employees of the University. Forty-five hundred copies of a handbook giving a general view of the Church and its work were distributed. The Membership Committee, in working out its extensive program, called to its aid a force of students averaging around thirty-five in number.

The Social Committee of the Church was likewise very diligent throughout the year. It sponsored a Fellowship Dinner for the Freshman Classes, which stood out as one of the most memorable events of Freshman Week. Some eight hundred and fifty young people from both campuses met together for this friendly Sunday dinner. Further activities of the Social Committee included three Sunday afternoon receptions for guest preachers and two special open houses, one honoring new Faculty members, and the other welcoming foreign-born students and Faculty members. This Committee drew into its service about fifty students and fifteen Faculty members.

The Committee on Church Services has made a special point of building up the week-day chapel exercises, and has succeeded as well as could be expected under the difficulties encountered in a complex campus schedule which makes no real provision for chapel periods. One of the heartening features of the chapel program has been the fine work of students called into service, both as chairmen and speakers. Young women have taken their place quite as willingly and ably as young men. A

marked growth in attendance over preceding years was noted. A special series of mid-day meditational services during the examination period in May was a new feature this year.

Our Sunday morning Service of Worship has gone along in its usual way, with a most encouraging attendance. It is notable that perhaps a higher percentage of the attendance this year can be credited to the students themselves than in any previous year. We have followed the usual course of inviting some nationally known preacher to be our pulpit guest once a month.

The Easter Cycle of Services, inaugurated in our recent Centennial Year at the instigation of Professor Spence, has now been incorporated as a regular part of the Church's program. Twice during the year all-campus communion services were held: one in November, and the other on Holy Thursday as a part of the Easter Cycle. A group of some seventy-five men, chosen from the School of Religion Faculty and student body, as well as from the student body of Trinity College, assisted in the administration of the Holy Communion.

During the second semester the new plan of taking an offering at each Sunday morning service was put into effect; in consequence, our Church funds were greatly increased. The principal financial project of the Church remains the maintenance of the Social Center in Hiroshima, Japan, under the direction of Mr. and Mrs. Weyman Huckabee (Mr. Huckabee represents our School of Religion Class of 1927). The annual contribution to this cause has been increased from \$500 to \$750. It is the hope of the Church to develop some worthy home mission project to balance this foreign enterprise. The Church closed its year with a balance of nearly \$700 on hand.

A new feature in connection with our Sunday service is the creation of a Board of Ushers. Its total membership numbers fifty-five young men, mostly Freshmen, who take regular turns in receiving the offering.

About the middle of the year the Church initiated a movement looking toward the unifying of the work of various social agencies on the campus under a coordinating council. The project was launched too late in the year to get very far, but much is hoped for in this direction next year.

Your Church Staff wishes to pay tribute to a group of Freshmen, both men and women, who have served unselfishly and enthusiastically as secretarial assistants in the Church Office. It wishes also to thank the University for making more stenographic assistance available.

The Student Religious Council, whose members represent the students on the Official Board of the Church, has been vigorously at work along the lines of its double function as a center of spiritual fellowship and as generator of Christian projects. In the latter capacity the Council this year majored on two projects: a campus Church Club and the Brotherhood Day banquet. The first of these was an attempt to provide for the campus Church an organization of young people somewhat paralleling the Christian Endeavor Society of a denominational church. But after a few meetings it became evident that the students did not feel the need

of such an organization, and the project was dropped. The significant thing is that in such matters as this the interest flows more in the direction of denominational organizations on the campus, and this fact vindicates our conviction from the beginning that we must strike a balance between an interdenominational program (such as is represented by the Sunday morning Service of Worship and the Easter Cycle of Services) and the denominational programs properly centering in the various church groups who help to constitute our general Church.

The Brotherhood Day banquet, held on Washington's Birthday, was a marked success. It served well its function of bringing together in a pleasant social occasion Jewish, Catholic, and Protestant students. Each faith group contributed about thirty of its members, and the same number was invited from the Church Board. A total of one hundred and twenty persons joined enthusiastically in this festal occasion. This banquet has become one of the outstanding events on the religious calender of our campus.

I shall not go into the excellent work of the Y. M. C. A. and the Y. W. C. A., further than to note their relation to the unified religious program which our campus Church represents. In the latter particular, two events stand out: one the Religious Emphasis Week, and the other the celebration of Dads' Day. With a new face and voice in our invited leader, Religious Emphasis Week did not succeed in reaching quite as many of our people in the matter of attendance at meetings as we have come to expect; nevertheless, there were deeply significant results from the week's services. The Dads' Day occasion was very popular, meeting with probably the best success we have ever experienced along this line.

A word should be said about the progress of our denominationl groups. The Presbyterian students have come under the directive care of a vigorous neighboring pastor, aided by a part-time worker on the campus, and their organization is beginning to show signs of sturdy growth. The work among Episcopal students is expanding in a very promising manner. In addition to its monthly observance of the Holy Communion, this group has made advances in its work with Freshman students. The Methodist group seems to be on the way toward definite organization, with the promise of special supervision becoming more definite. The Baptist students have been active, but their strength has gone rather more toward strengthening a students' Sunday School class at one of the neighboring churches than toward any definite work on the campus.

Our Lutheran students have worked out a fairly strong campus organization, and were able to entertain a conference of Lutheran students from various colleges in this general region. The Jewish and Christian Science students have likewise begun to achieve some corporate consciousness on the campus. Smaller groups, such as the Quaker and the Unitarian, meet from time to time, but do not attempt much in the way of formal organization. Our Catholic students have a certain unity under the direction of their chaplain, who conducts mass for them each Sun-

day morning in York Chapel ; but they seem little inclined to go farther in the way of group organization.

In the matter of its external relationships it should be pointed out that Duke University Church has assumed some financial responsibility in connection with the program of the North Carolina Council of Churches. Our Y. M. C. A. and Y. W. C. A. organizations maintain regularly a relationship to state and regional conferences. And our Staff members individually have been active in regional and state conferences of religious and social workers. They have also on numerous occasions served on planning committees, spoken before off-campus groups, and written articles for religious publications.

Let me conclude by mentioning a special enterprise of our Staff members. In January several of them made an automobile tour for the purpose of visiting certain colleges and studying their religious activity programs. They went to Cornell, Syracuse, Yale, Princeton, and Bucknell universities, and also the University of Pennsylvania. A brief paragraph from their report is worth setting down here: "By learning what major problems other schools were facing, by comparing notes on how their approaches differ from ours . . . we returned to Duke with a clearer vision of the job before us. We are part of a great movement in American educational institutions to help young men and women learn how to lead spiritually sound lives. . . ."

FRANK S. HICKMAN,
Dean.

DEPARTMENT OF PHYSICAL EDUCATION AND ATHLETICS

To the President of the University:

A study of the history of physical education clearly indicates that when a nation has become concerned with the vigor of her youth, war has been the principal reason for this reawakened interest. This interest is manifest when and after a nation has been defeated. An analysis of the causes indicates that one reason for the defeat was that the young men had not been sufficiently robust to conduct themselves efficiently as soldiers and had not displayed the mental and emotional stability essential for the morale of soldiers. This interest may also be shown when a nation is preparing for war. It is unfortunate that it takes an event of this magnitude for a country to be willing to take the necessary measures to improve and maintain the vigor of her young men.

Our present system of competitive athletics, required physical education, intramurals, and recreational programs received their greatest impetus following our World War experiences. At that time, over one third of our young men, from twenty-one to thirty-one years of age, were rejected for military service because of various physical disabilities. After the war various agencies made a study of the data contained in the medical and physical examination records of these men who had been rejected, and found that the defects were not hereditary but resulted from improper environmental conditions. The principle defects included impaired functions of the organs, such as the heart and kidneys because of the infections of childhood, malnourishment, poor vision, defective hearing, decayed teeth, and other evidences of improper growth, as indicated by postural defects, including flat feet.

These studies showed that much needed to be done to give the young a fair chance for normal growth and development. Certainly, this indicated the need for a rational exercise program for all. As a result of these findings, educators began to establish health services in the public schools and in colleges and universities on a far greater scale than ever before and to make athletics, physical education, and intramurals an important part of the general educational program. After two decades we are again concerned over the possibilities of war and are seeking ways and means of preparing a nation for defense.

The College Physical Education Association, through its executive committee and in cooperation with agencies such as the American Association of Health, Physical Education, and Recreation, the Society of State Directors of Physical Education, the American Student Health Association, the National Collegiate Athletic Association, the American Academy of Physical Education, the National Recreation Association and other kindred organizations, is studying the program of athletics, physical education, intramurals, and recreation in an effort to determine

their adequacy in meeting the needs of a nation striving to prepare defensively. In view of this situation, I think it advisable to analyze these programs at Duke University and to see how well they coincide with the recommendations made by the executive committee of the College Physical Education Association. The most significant of these recommendations are as follows:

1. That, in the main, no radical or sharp departures in the content of local programs be advised; instead, that a reaffirmation be made of our belief in a sound modern program of games, sports, hygiene, intramural, varsity athletics, and health services as the best instruments for preparedness.
2. That the Association encourage its individual members to intensify and improve the activity programs which they are now conducting.
3. That the Association reaffirm and make clear to all concerned that it believes the best contribution which physical education can make to the preparation for college students, either for military service or life in a democracy, is in a program which extends active instructional, recreational, and competitive opportunities *to every man and woman in college*, chosen appropriately in accordance with individual needs.
4. That the content of our undergraduate service programs in physical education contain an abundance of opportunity for men to achieve a sound physical condition through vigorous sports and games. The objectives of strength and endurance should be held clearly in view and individual programs should be arranged to attain these goals wherever compatible with the age and physical condition of the student.
5. That college faculties and other employees be urged to avail themselves of the physical education facilities with periods or classes established for them and the administration of the program so arranged as to provide for maximum convenience in attendance.
6. That in institutions where the typical one-hour-a-week, one-semester hygiene course is offered to men students an effort be made to increase the time allotted and thus to broaden and intensify the instruction given.
7. That the Association endorse and approve the wise distribution by colleges and universities of used equipment and other resources for such community projects as recreation centers, youth movements, and other established enterprises whose ends are compatible with the purposes of the Association.

In order to give some idea as to how well our athletic, physical education, and intramural programs coincide with the recommendations cited above, the following summary of activities at Duke University is given.

FRESHMAN AND VARSITY ATHLETICS

Opportunity is given every student to participate on the various Varsity and Freshman athletic teams. This work is carried on under the supervision of well-trained and experienced coaches and offers the greatest opportunity for the development of stamina, the important individual traits such as courage, loyalty, friendliness, sportsmanship, as well as keen analysis and diagnosis of situations as they arise on the athletic field. These are qualities important at all times, especially at present. It is possible for students to receive credit in required physical education through participation on these teams. The number of students availing themselves of these opportunities is shown below:

ENROLLMENT

<i>Sports</i>	<i>Fall</i>	<i>Spring</i>	<i>Year</i>
Freshman Basketball		15	15
Freshman Baseball		25	25
Freshman Cross Country	30		30
Freshman Football	60	35	95
Freshman Swimming		23	23
Freshman Tennis		8	8
Freshman Track		32	32
Freshman Wrestling		10	10
Lacrosse		20	20
Varsity Baseball		19	19
Varsity Basketball		10	10
Varsity Cross Country	12		12
Varsity Football	37	54	91
Varsity Golf		8	8
Varsity Soccer	16		16
Varsity Tennis		7	7
Varsity Swimming		22	22
Varsity Track		25	25
Varsity Wrestling		16	16
<i>Total</i>	155	329	484

REQUIRED PHYSICAL EDUCATION

In the two years of required physical education, Freshmen and Sophomores may elect activities, suited to their interests and needs, from a list of fifteen activities. These courses are instructional classes where the student is taught the rules governing the conduct of his particular sport or activity. He is drilled in the correct execution of the fundamental skills of his chosen activity, thereby improving his ability in this sport. It should be observed that the activities offered in the required physical education program coincide with the activities that make up the intramural program. By improving the skill of students in the various sports and games and by making of him a more intelligent competitor, he is more likely to participate in some of the activities of the intramural program. In this way the student is not only given additional opportunity for vigorous use of the muscles, but he may use these new skills as recreational or leisure-time activities while he is at Duke University, and may continue to derive pleasure and satisfaction through play after his university training is completed. A study of these activities reveals that the "carry-over" or recreational type of activities rank at or near the top, as indicated by the number of students electing these activities.

ENROLLMENT

<i>Course</i>	<i>Fall</i>	<i>Spring</i>	<i>Year</i>
Tennis	193	116	309
Swimming	115	97	212
Handball	114	83	197
Basketball	97	66	163
Softball		144	144
Touch Football	105		105
Golf	20	74	94

Band	38	31	69
Boxing	54	7	61
Corrective	42	19	61
Track	42	16	58
Soccer	56		56
Wrestling	6	19	25
Apparatus Stunts	8	8	16
Baseball	16		16
Tumbling	13		13
Cross Country	12		12
<i>Total</i>	931	680	1,601

INTRAMURAL ATHLETICS

The program of intramural athletics is purely voluntary. It gives an opportunity for continued practice of the skills acquired in the instructional courses of the required program. The student has a chance for development of organic power that may be acquired only through the use of the large muscles of the body, and at the same time may secure the mental and social advantages that accrue because of the competitive nature of these sports and games. It is in this program that the average student who does not have sufficiently developed skills to earn a place on some of the Freshman and Varsity teams may experience the same advantages accorded Freshman and Varsity team members. It is a fine opportunity for self-expression and self-realization, which is important to every person, if he is to secure satisfaction from life. The organization and administration of this program is largely handled by students, thereby giving opportunity for the development of leadership. The popularity of this program is indicated in the table below, which shows the activities and the participants in each.

NUMBER OF PARTICIPANTS IN INTRAMURAL SPORTS, 1939-40

Spring Tennis	592
Fall Tennis	576
Touch Football	573
Playground Ball	511
Basketball	483
Volleyball	414
Badminton	364
Spring Handball	361
Fall Handball	352
Soccer	233
Horseshoes	123
Wrestling	82
Swimming	71
Track	68
Cross Country	45
Boxing	40
Life Saving	32
Golf	18
<i>Total</i>	4,938

A study of the set-up for athletics, physical education, and intramural athletics at Duke University compares favorably with the recommendations

of the College Physical Education Association, listed previously in this report. This study, however, indicates certain important phases that should be given attention in order that these programs will coincide even more with the recommendations of the College Physical Education Association. I will list these phases as follows:

1. It was deemed advisable by the Athletic Council to discontinue boxing as an intercollegiate and an intramural sport. This has been put into effect. I think, however, it proper to continue wrestling as an intramural and an intercollegiate activity. The vigorous nature of these sports appeals to certain students. It gives them a chance for training in skills that are helpful for personal defense, in which many are interested. I think emphasis should be placed on class instruction in both boxing and wrestling because of the wonderful opportunity for conditioning and the development of qualities important for the potential soldier. These activities need close supervision as well as competent and inspirational leadership.
2. The instructor in the required physical education classes should keep in mind the important fact that he may create greater interest in his sport by giving opportunity for competition. He should always keep in mind the fact that the student learns only by the *practice* of skills. He should not spend too much time lecturing, thereby losing the interest of his students. Action is the important thing here.
3. The instructor should make a special effort to organize his classes well, to be prompt at all classes, and to insist on promptness from his students, thereby disciplining himself and his students at the same time. This is an important quality at all times, especially now.
4. The instructors of the required courses are men with special training, much experience in teaching and leadership. In fact, most of these are also the coaches of the various Freshman and Varsity athletic teams. They must always keep in mind that their responsibilities in teaching these required classes are just as important as the preparation of their Freshman or Varsity teams.

PHYSICAL EDUCATION AND RECREATION FEES

In order to meet certain hygienic aspects of physical education and intramural athletics, the University has made available to all students, in addition to facilities for physical activity and recreation, the following equipment and services:

1. A regulation uniform for all students; (men) shirt, trunks, supporter, socks, sweat clothes, and towel; (women) gym suit, dance costume, bathing suit, warm-up suit, and towel.
2. Provision for locker and handling of uniform.
3. The laundering of uniform and towel as needed.

The privileges and services listed above are available to all undergraduates, graduate students, Faculty, and employees of Duke University upon payment of the Recreation Facilities and Equipment Fee of one dollar (\$1.00) each semester. All students enrolled in required physical education courses are assessed an additional fee (Laboratory and Materials Fee) of one dollar and fifty cents (\$1.50) each semester. This fee is necessary in order to make more equitable the maintenance of locker system and usage of uniform and equipment.

The facilities for athletics, physical education, and intramurals have been materially increased during the academic year of 1939-40 with the addition of a new building. This building has done much to stimulate interest in basketball, a sport that had been handicapped for years because of inadequate space. The new structure will comfortably seat nine thousand spectators for athletic events, and on occasion it may be used for other campus functions as the need arises. The funds for the erection of the new building came to the University through the Division of Athletics.

The program is large and continues to grow. Students are continually asking for additional facilities for other sports. The need for a golf course and for four-wall handball courts is apparent. There is much interest here among students and Faculty members. The addition of these facilities would do much to round out our program and promote physical fitness for all.

WALLACE WADE,
Director.

THE UNIVERSITY PRESS

To the President of the University:

The information submitted herewith as to operations of the Duke University Press from July 1, 1939, to June 30, 1940, is based largely on the detailed report for the year submitted by Dr. R. O. Rivera, Executive Secretary of the Press.

The following books and monographs were issued during the year covered by the report:

- Agnew, Donald C. *The Effect of Varied Amounts of Phonetic Training on Primary Reading.*
Chugerman, Samuel. *Lester F. Ward, The American Aristotle.*
Eaton, Clement. *Freedom of Thought in the Old South.*
Eskridge, T. J., Jr. *Growth in Understanding of Geographic Terms in Grades IV to VII.*
Irving, William H. *John Gay: Favorite of the Wits.*
Jensen, Gerard E. *The Life and Letters of Henry Cuyler Bunner.*
Long, A. W. *Son of Carolina.*
McDermott, Malcolm, and Lemkin, Raphael. *The Polish Penal Code.*
Montague, L. L. *Haiti and the United States, 1714-1938.*
Thompson, Edgar T. (ed.) *et al. Race Relations and the Race Problem.*
Wallin, J. E. W. *Minor Mental Maladjustments in Normal People.*

In addition to the above, publication of several other books was begun during the year.

The time was when the Press reported with pride a total for one year of less than one hundred reviews and notices of all books. During the year covered by this report a single one of our books, Chugerman's *Lester F. Ward*, received almost that many in a period of ten months. The total for the year has been over four hundred. The professional journals as well as other publications have included reviews of our books much more often than formerly. Direct mail advertising has again constituted the greater part of the promotion in connection with Press books, although some newspaper advertising has been used. There is need for some increase in the latter type of promotional publicity.

During the current year the Press issued Eaton's *Freedom of Thought in the Old South*, winner of the \$1,500 Centennial Prize offered by the Press. It has received favorable reviews in many newspapers and periodicals as well as innumerable press comments from far and wide. Professor H. R. Brown's *Sentimental Novel in America*, winner of a \$500 award in the Centennial Prize competition, was put in press during the year.

As a means of bringing our publications to the attention of the interested public to which they are directed, the Press has taken part, together with other university presses, in the following co-operative exhibitions. These exhibitions were held concurrently with the meetings of the learned societies indicated: The American Library Association in San Francisco, organized and managed by the University of California Press; Modern

Language Association in New Orleans, by the Louisiana State University Press; American Sociological Society in Philadelphia, by the University of Pennsylvania Press; American Historical Association in Washington, by the University of Chicago Press; Mississippi Valley Historical Society at Memphis, by the University of Oklahoma Press; the Southwestern Social Science Group in Dallas, also managed by the University of Oklahoma Press; American Library Association in Cincinnati, by the Princeton University Press; North Carolina Academy of Science at Davidson College, by the University of North Carolina Press.

Ever since the Research Council has been making grants toward the publication of books by members of the Faculty, the Press has strongly endorsed this policy and has encouraged the Council in its efforts by contributing funds of its own to make possible the publication of the manuscripts for which grants have been made. So far the Press has contributed to the publication of the following books which were subsidized in part by the Council: Gilbert's *Machiavelli's "Prince,"* White's *Unextinguished Hearth*, Spengler's *France Faces Depopulation*, and Irving's *John Gay*. There was put in press during the year Robert S. Smith's *The Spanish Guild Merchant*, and under consideration are a number of manuscripts for the publication of which grants have been made by the Research Council.

During the current year the editors of the *Journal of Parapsychology*, Drs. Gardner Murphy and Bernard F. Riess, requested authority to have this journal printed in New York, where they thought their task would be facilitated by personal contact with the printers. At the suggestion of Professor J. B. Rhine it was then decided that the Press would give up its rights in the journal to the editors who in the future would be responsible for both editorial and financial matters, thus relieving the Duke University Press of all obligations. The transfer was carried out as planned, and the second semiannual issue appeared in due time. All accounts, both debit and credit, have been settled, and outstanding subscriptions paid to us have been duly served. New ones coming in have been forwarded to the editors.

Because of conditions brought about by the war in Europe, the firm of George Allen and Unwin, of London, which had been issuing the British edition of *Character and Personality*, has deemed it advisable to discontinue its publication. After some correspondence the Press was able to reach an agreement with the firm. The Press will continue to serve the subscriptions outstanding at a specified rate per number. Furthermore, Allen & Unwin will continue to take subscriptions which will be passed on to us and be served directly from the University.

In the matter of circulation, the periodicals, with one exception, have shown a gain in the number of subscriptions. Work with a view to increasing circulation is being continued steadily.

HENRY R. DWIRE,
Director.

THE UNIVERSITY COUNCIL ON RESEARCH

To the President of the University:

The report of the University Council on Research covering the period beginning July 1, 1939, and ending June 30, 1940, is submitted herewith. A list of the scholarly publications by members of the faculties of the different schools of the University during this period is appended to the report. This is a continuation of similar lists published in the Reports of the President during preceding years.

Through the death of Dr. William McDougall, the Council lost one of its members who had served since its organization. A second member, Dr. William Glasson, who had also been one of the original members of the Council, and who had helped actively and effectively with its work, requested that he be relieved of membership on the Council. A list of members for the academic year 1939-40 follows: B. H. Branscomb, P. M. Gross, F. M. Hanes, C. B. Hoover, H. C. Horack, J. T. Lanning, A. S. Pearse, D. T. Smith, J. H. Thomas, and N. I. White.

The following officers were elected at a meeting in November, 1939: P. M. Gross, Chairman; N. I. White, Secretary; and A. S. Pearse, D. T. Smith, and C. B. Hoover as members of the Executive Committee.

Through the cooperation of the administrative officers of the University a budget of twenty-six thousand dollars was assigned to the Research Council in the spring of 1939 for use during 1939-40 for research grants to members of the Faculty and for research publication. One hundred and nineteen grants were made to members of the Faculty from this budget at a meeting of the Council held in June, 1939.

In discussing the research activities during the academic year just passed, it is necessary in the first place to draw attention again to the need for more adequate financial support for research in the University. In this year, as in previous years, the total of the amounts requested by members of the Faculty for assistance in the form of research grants so greatly exceeded the funds available that the equitable allotment of these funds became a problem of great difficulty. In many cases the amounts of the grants which could be awarded were so small that it was difficult for those receiving them to do effective work with the sums allotted. The desirability of a substantial increase in the research budget is apparent to all concerned with research investigations in the University. Many worth-while projects cannot be initiated, or are difficult to carry through satisfactorily, because of the limitation necessary of the size of the subsidy granted. It is hoped that this situation can be alleviated through the provision of more adequate funds to be used in awarding research grants.

The Council has made considerable progress toward a solution of the problem of providing funds for subsidizing scholarly publications of a highly specialized or research type. This has been done through the

establishment of the research publication fund described in the report on research activities for the year ending June, 1936. At that time the plan was still in an experimental stage. The hope was expressed that its operation would make it possible to establish a revolving fund to aid publication within comparatively few years. Our experience with this plan during the past four years indicates that this hope may be realized. Under the plan subsidies for the publication of more than a dozen books have been allotted during this period. It is gratifying to report that an appreciable portion of the money loaned from this fund for subsidies has been repaid to it. These repayments together with further annual allotments from the funds of the Council have made it possible gradually to increase the number of subsidies each year. If this plan of operation can be continued for a number of additional years, it should be possible to set up a practically self-supporting revolving fund which would care for much of the scholarly and specialized research publication by members of the Faculty of the University. Just when this objective will be attained is difficult to say, especially in view of the present unsettled world conditions which have already had an adverse effect on publication generally. It is, however, gratifying to report real progress toward this end.

It has been customary in the previous reports from the Council to draw attention to certain items among the publications of the Faculty of the School of Arts and Sciences that appeared during the academic year just passed. Among the contributions from the sciences we may mention articles by Associate Professor P. J. Kramer, of the Department of Botany, on the physiology of water absorption by plants; several investigations by Dr. C. K. Bradsher, of the Department of Chemistry, of methods of synthesis of cyclic organic compounds; a number of mathematical papers by Dr. R. P. Boas, Jr., and several additional anatomical and hormonal studies by Dr. M. W. Johnson, of the Department of Zoology.

In the social sciences we may note the appearance of a book published by our own press discussing our national policy toward China during the past one hundred years, by Associate Professor Paul H. Clyde, of the History Department, and the publication by Dr. W. H. Simpson, of the Political Science Department, of the results of a study of the present-day status of the small loan problem in the South as exemplified by the situation in South Carolina. Among other publications in the field of the humanities, we may mention the book on John Gay by Professor W. H. Irving, of the Department of English, and several studies in Hispanic-American literature by Assistant Professor John Reid, of the Department of Romance Languages.

PAUL GROSS,
Chairman.

PUBLICATIONS OF THE MEMBERS OF THE FACULTIES OF THE
GRADUATE SCHOOL OF ARTS AND SCIENCES AND OF THE
UNDERGRADUATE COLLEGES OF DUKE UNIVERSITY
IN THE PERIOD OF JULY 1, 1939, TO JUNE 30, 1940

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"Age, Race and Responsiveness of Levels of Aspiration to Success and Failure," *Psychological Bulletin* (July, 1939).

ALLEN, D. C. English.

"Shakespeare and the Doctrine of Cosmic Identities," *The Shakespeare Association Bulletin*, 14, 182-190 (July, 1939).

"Ben Jonson and the Hieroglyphics," *Philological Quarterly*, 18, 290-301.

"The Lapidary of Aeneas Sylvius Piccolomini," *Italica*, 17, 1-5 (March, 1940).

—(with nine other collaborators), "Recent Literature of the Renaissance," *Studies in Philology*, 36, 253-433 (April, 1940).

ANDERSON, LEWIS E. Botany.

"Cytoplasmic Inclusions in the Male Gametes of Lilium," *American Journal of Botany*, 26, 761-766 (Nov., 1939).

BIGELOW, LUCIUS A. Chemistry.

—(with John D. Calfee and Nobukazu Fukuhara), "The Action of Elementary Fluorine on Organic Compounds. VI. The Vapor Phase Reaction between Ethane and Fluorine in Progressively Varying Proportions," *Journal of the American Chemical Society*, 61, 3552-3554 (1939).

—(with John D. Calfee, Nobukazu Fukuhara, and DeWalt S. Young), "The Action of Elementary Fluorine Upon Organic Compounds. VII. The Vapor Phase Fluorination of Ethyl Chloride," *Journal of the American Chemical Society*, 62, 267-269 (1940).

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BLOMQUIST, H. L. Botany.

"A New Species of Plagioclila from the Southern Appalachian Mountains," *Bryologist*, 42, 113-117 (Oct., 1939).

—(with Henry J. Oosting), *A Guide to the Spring and Early Summer Flora of the Piedmont, North Carolina* (Durham: Seeman Printery, 1940). xvi + 144 pp.

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"A Trigonometric Moment Problem," *Journal of the London Mathematical Society*, 14, 242-244 (Oct., 1939).

"General Expansion Theorems," *Proceedings of the National Academy of Sciences*, 26, 139-143 (Feb., 1940).

"Entire Functions Bounded on a Line," *Duke Mathematical Journal*, 6, 148-169 (March, 1940).

"Some Uniformly Convex Spaces," *Bulletin of the American Mathematical Society*, 46, 304-311 (April, 1940).

"Some Uniqueness Theorems for Entire Functions," *American Journal of Mathematics*, 62, 319-324 (April, 1940).

"A Completeness Theorem," *American Journal of Mathematics*, 62, 312-318 (April, 1940).

- (with D. V. Widder), "An Inversion Formula for the Laplace Integral," *Duke Mathematical Journal*, **6**, 1-26 (March, 1940).
- (with J. W. Tukey), "Correction to 'A Note on Linear Functionals,'" *Bulletin of the American Mathematical Society*, **46**, 566 (June, 1940).
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- (with J. S. Kirby-Smith), "The Raman Spectra of Gaseous Substances. II. Apparatus and the Spectrum of Methylamine," *Journal of Chemical Physics*, **7**, 880-883 (Oct., 1939).
- (with H. Sponer), "Note on the Continuous Absorptions of N_2O ," *Journal of Chemical Physics*, **8**, 33-37 (Jan., 1940).
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- "Synthesis of Phenanthrene Derivatives, IV, 9, 10-Cyclopenteno- and 9, 10-Cyclohexenophenanthrene," *Journal of the American Chemical Society*, **61**, 3131-3132 (Nov., 1939).
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- "Some Sums Involving Polynomials in a Galois Field," *Duke Mathematical Journal*, **5**, 941-947 (Dec., 1939).
- "A Set of Polynomials," *Duke Mathematical Journal*, **5**, 486-504 (June, 1940).
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- (with J. M. Formwalt), "Investigations of Ferro-magnetic Impurities, I," *Physical Review*, **56**, 373-377 (Aug., 1939).
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- (with L. J. Flemister), "The Effect of Increased Atmospheric Pressure on the Allantoic Vascular Bed and the Blood Picture of the Developing Chick," *Growth*, **4**, 63-71 (June, 1940).
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- (with H. E. Vermillion and P. M. Gross), "Physical and Chemical Studies on Paradichlorobenzene Having Bearing on Its Use as a Vapor Fumigant," *Industrial and Engineering Chemistry*, **32**, 946-949 (July, 1940).

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- (with J. A. Pinckard, Ruth McLean, F. A. Wolf, and P. M. Gross), "Toxicity of Paradichlorobenzene in Relation to Control of Tobacco Downy Mildew," *Phytopathology*, 30, 485-496 (June, 1940).
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DEPARTMENT OF PUBLIC RELATIONS AND ALUMNI AFFAIRS

To the President of the University:

The academic year covered by this report is coincident with the tenth anniversary of the creation of the Department of Public Relations and Alumni Affairs. While steps looking to its organization were taken during the latter part of the academic year 1929-30, the actual beginning of the work of the Department as an organized division of the University really dates from the academic year 1930-31.

It is not my purpose here to review this ten-year period, but perhaps a few observations will not be out of place.

The scope of operations with reference both to alumni activities and public relations has been greatly increased. To cite just one item, the amount of incoming and outgoing mail has been more than trebled in the ten years. The expansion of the activities in both divisions has been such that an increase in personnel has been necessitated along with the provision of more ample quarters. There is reason to believe the expansion will continue along with the growth in other departments of the University.

More and more the Department has come to be regarded as a kind of clearinghouse, so to speak, for various University interests and activities associated with outside contacts. Some worth-while service has been rendered, I think, in this connection. The fact that each year more members of the Faculty and students have visited the office for the purpose of giving and receiving information and assistance in matters pertaining to the further development of the University has been particularly gratifying.

DIVISION OF PUBLIC RELATIONS

The year 1939-40 was a particularly busy one for this division in the matter especially of replying to inquiries of various kinds regarding the University and its work. Much of this is doubtless attributable to the increased interest stimulated by the activities of the Centennial Year, 1938-39. The amount of mail handled and the requests for booklets and other printed material reached a new high point. The number of requests from newspapers, news associations, and other agencies for information about various features of the University's activities was greater than ever before.

Also the number of requests made for assistance by the Speakers' Bureau, connected with this division, reached a new high mark. A directory of speakers from the University Faculty and Administration who are available from time to time has been compiled and is being revised constantly. It is not possible to answer all the calls made for speakers because the amount of time members of the University Staff have to devote to this service is naturally limited, but they have been very co-operative in doing

everything possible along this line. It provides an excellent method of maintaining worth-while contacts between the University and the public.

During the year the Division of Public Relations had the privilege of aiding in arrangements for the entertainment on the campus of a number of important visiting groups, some of them embracing individuals coming from great distances. This has also proved a good source of worth-while contacts between the University and those away from the campus.

Every effort was made during the year to intensify and enlarge the work of the Appointments Office. The placing of this work on a full-time basis has been amply justified. During the year the Director of the Appointments Office visited a considerable number of business organizations and educational institutions with a view to becoming better acquainted with their needs in the matter of personnel and endeavoring to aid in supplying such needs through the recommendation of well-qualified men and women trained at Duke. Also a number of these organizations sent personnel representatives to the campus. I feel that genuine service is being rendered by the Appointments Office both to Duke alumni and alumnae and to organizations and individuals interested in securing their services. One of our needs in this connection is the development of a comprehensive program of vocational guidance in connection with the work of the office. A beginning was made during the year in that direction.

The work of the Publications Bureau has been growing all the while, the preparation and mailing of catalogues and bulletins attaining even larger proportions during the year; the Information Service was expanded in order to take care of the increasing volume of calls; many requests for Duke motion pictures were filled, quite a number coming from other states. Incidentally, calls for the Rose Bowl "movies" were still coming in.

The work of the Duke University Press, affiliated with the Division, is treated in a separate report.

DIVISION OF ALUMNI AFFAIRS

During the year 1939-40, three new alumni groups were organized, and others were in process of organization. Also several alumni groups that had been more or less inactive were reorganized. Nearly seventy local associations held annual meetings during the fall.

There was further progress in the effort to induce local associations to adopt all-the-year programs with committees named to look after various phases of the work of the individual groups. More than twenty groups had adopted such programs in a definite way. At least thirty-five held a spring meeting in addition to the annual gathering in the fall. Several groups were holding monthly or semimonthly meetings, and at least two associations had meetings every week.

A booklet was published giving alumni many facts and figures with reference to Alumni Office activities. Additional matter was also printed in *The Register* with a view to better acquainting the alumni with the

aims and purposes of the Duke alumni organization. These met with a gratifying response.

Very encouraging was the decidedly increased number of alumni and alumnae contributing to the General Alumni Fund. Also an unusually large number of contributions were received for special scholarship funds and other causes sponsored by local and class groups. It is earnestly hoped that this trend will continue.

The Alumni Office Staff made every effort to the end that Alumni Homecoming in the fall and Alumnae Homecoming in the spring would attract more former students than ever before. Both occasions were unusually successful. The Third Annual Alumnae Week-end was held and the outstanding success of the occasion made it certain that this new feature of the alumnae work had been firmly established as a fixed event of the academic year.

A large amount of work was accomplished in the effort to bring the alumni records up to date. However, it was evident that there must be considerably more cooperation from the alumni in the matter of furnishing information if a really adequate Alumni Directory is to be compiled any time in the near future.

The work begun by several of the larger alumni groups in the matter of interviewing prospective students was continued. For a number of years the New York alumni have been doing this type of work with conspicuous success. Some alumni groups aided very effectively in the matter of Duke representation on College Day programs. The Northern New Jersey Association has been doing this for the past several years with good results.

The distribution of Duke alumni and alumnae as of May 1, 1940, was as follows:

Total Alumni in North Carolina	4,762
Total Alumnae in North Carolina	1,979
Total Alumni and Alumnae in North Carolina	6,741
Total Alumni out of state	5,058
Total Alumnae out of state	1,979
Total Alumni and Alumnae out of state	7,037
Total Alumni in Foreign Countries	142
Total Alumnae in Foreign Countries	36
Total Alumni and Alumnae in Foreign Countries	178
Total Alumni	9,962
Total Alumnae	3,994
Total Alumni and Alumnae	13,956

Again the members of the Woman's Senior Class were entertained at University House by the Durham County Alumnae in cooperation with the Alumni Office. The second annual Commencement reception for re-

turning alumni was held at University House with great success. Incidentally, this former home of Mr. and Mrs. B. N. Duke is proving of decided benefit to the University in providing facilities for the entertainment of alumni and other groups from time to time.

Representatives of the Alumni Office spoke to a number of class and other student groups. The effort to develop closer relations between the alumni organization and students on the campus was continued with good success. An unusually large number visited the alumni headquarters in the University Union during the year.

HENRY R. DWIRE,
Director.

INDEX

- Activities
 - Extracurricular, 57, 68
 - Recreational, 66, 191
 - Religious, 184
 - Student, 57
- Admissions, 45, 62. *See also* Enrollment
- Chapel, The Duke, 184
 - Church, Duke University, 184
- Curriculum, 11, 13
- Dean's List, 19, 62
- Deaths, 7, 87, 169, 196
- Engineering, The College of, 69
 - Admissions, 45
 - Aeronautics, 71
 - Curriculum, 70
 - Development, 45
 - Enrollment, 45, 71
 - History, 45
 - Laboratories, 70
 - Student Activities, 72
- Enrollment, 45, 60, 71, 74, 76, 82, 84, 92, 150, 165
- Fellowships, 75
- Few, William Preston, 7, 87, 169
- Forestry, The School of, 150
 - Arboretum, 156
 - Duke Forest, 152
 - as demonstration center, 155
 - marketing of forest products, 153
 - planting, 152
 - protection from fire, 154
 - public use, 155
 - silvicultural operations, 153
- Educational Program, 150
 - future needs, 151
 - insect and insect-wood collection, 151
 - permanent wood collection, 151
- Forestry Research, 157
- National Youth Administration
 - Activities, 159
 - Publications, 159
 - Staff Activities, 160
- Gifts, 90, 104
- Graduate School of Arts and Sciences, The, 74
 - Enrollment, 74
 - Fellowships, 75
 - Graduate Council, 74
 - Needs, 74
 - Research training, 75
- Law, The School of, 84
 - Enrollment, 84
 - Faculty Activities, 84
 - Library, 84, 179
 - Publications, 84, 209
- Libraries, The University, 171
 - Hospital Library, 117, 181
 - Law Library, 86, 179
 - School of Religion Library, 76, 182
 - University Library, 172
 - Accessions, 174
 - Future Developments and Needs, 178
 - General Development, 172
 - The Staff and Its Work, 173
- Medicine, The School of, 87
 - Clinics, 88
 - Department of Anatomy, 122
 - Department of Bacteriology, 130
 - Department of Biochemistry, 124
 - Department of Medicine, 128
 - Department of Neuropsychiatry, 145
 - Department of Obstetrics and Gynecology, 132
 - Department of Pathology, 133
 - Department of Pediatrics, 142
 - Department of Physiology and Pharmacology, 144
 - Department of Preventive Medicine and Public Health, 131
 - Department of Surgery, 146
 - Duke Hospital, 89, 113
 - Enrollment, 92
 - Faculty, 87
 - Gifts, 90, 104
 - Graduates, 97
 - Growth, 93
 - Library, 117, 181
 - Medical building, 89
 - Progress, 93
 - Research, 108
 - School of Dietetics, 89, 113
 - School of Nursing, 89, 112
 - Social Service Division, 120
 - Statistics, 92
 - Students, 92
 - Teaching, 108

- Physical Education and Athletics, Department of, 188
 - Freshman and Varsity Athletics, 189
 - Intramural Athletics, 191
 - Physical Education and Recreation Fees, 192
 - Required Physical Education, 190
- President of Duke University, report of, 7
- Press, The University, 194
 - Books, issued, 194; reviews, 194
 - Changes, in publication of journals, 195
 - Circulation of journals, 195
 - Research Council, 195
 - University Press Exhibits, 194
- Public Relations and Alumni Affairs, Department of, 225
 - Alumni Affairs, Division of, 226
 - Public Relations, Division of, 225
 - Appointments Office, 226
 - Information Service, 225
 - News Service, 225
 - Speakers' Bureau, 225
- Publications by the Faculties, 198
 - Graduate School, 198
 - School of Forestry, 159, 210
 - School of Law, 84, 209
 - School of Medicine, 210
 - School of Religion, 80, 208
 - Undergraduate Colleges, 198
- Religion, The School of, 76
 - Activities, 78
 - Addresses, by Faculty, 81
 - Alumni, 77
 - Enrollment, 76, 82
 - Library, 76, 182
 - Publications, of Faculty, 80, 208
 - Representation, by colleges, 82; by denominations, 82; by states, 83
 - Visiting lecturers, 79
- Research, Council on, 196
 - Funds, 196
 - Publications, 198
- Summer School, The, 163
 - Calendar, 163
 - Conferences and Institutes, 165
 - Enrollment, 165; distribution of, 166
 - Graduate work, 167
 - Instructional Staff, 164
- Trinity College, 11
 - Admissions to Trinity College and the College of Engineering, 1939-40, 45
 - College teaching, 12, 15
 - Counseling, 57
 - Courses of study, 16
 - Curriculum, 11, 13
 - Dean's List, 19
 - Departmental Honors, 19
 - Distribution of students, by departments, 17; by groups, 18
 - Freshmen, 57
 - General Honors, 18
 - Group System, 13
 - Instruction in 1939-40, 20
 - Records Office, 46
 - Undergraduate Instruction, 13
- Woman's College, The, 60
 - Academic work, 62
 - Activities, extracurricular, 66
 - Admissions, 62
 - Enrollment, 60
 - Religious life, 68

BULLETIN OF DUKE UNIVERSITY

The Divinity School



1940-1941

ANNOUNCEMENTS FOR 1941-1942

PUBLISHED BY THE UNIVERSITY
DURHAM, NORTH CAROLINA

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For GENERAL BULLETIN of Duke University, apply to *The Secretary*, Duke University, Durham, N. C.

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BULLETIN
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DUKE UNIVERSITY



THE DIVINITY SCHOOL

1940-1941

ANNOUNCEMENTS FOR 1941-1942

DURHAM, NORTH CAROLINA

1941

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no. 6.

CALENDAR

1941

- Sept. 19. Friday, 4:00 P.M.—First regular Faculty meeting.
Sept. 20. Saturday—Matriculation and registration of students
Sept. 22. Monday, 8:00 A.M.—Instruction begins.
Sept. 22. Monday, 11:30 A.M.—Formal opening exercises.
Oct. 6. Monday—Last day for submitting subjects for B.D. theses.
Oct. 9. Thursday—Fall retreat.
Nov. 20. Thursday—Thanksgiving Day: a holiday.
Dec. 11. Thursday—Duke University Day.
Dec. 20. Saturday, 1:00 P.M.—Christmas recess begins.

1942

- Jan. 5. Monday, 8:00 A.M.—Instruction is resumed.
Jan. 17. Saturday—Mid-year examinations begin.
Jan. 31. Saturday—Matriculation and registration for second semester.
Feb. 2. Monday—Second semester begins.
March 21. Saturday, 1:00 P.M.—Spring vacation begins.
March 30. Monday, 8:00 A.M.—Instruction is resumed.
May 15. Friday—Last day for submitting B.D. theses.
May 22. Friday—Final examinations begin.
June 6. Saturday—Commencement opens; Senior Class Day; Meeting of Board of Trustees.
June 7. Sunday—President's Address to Graduating Class; Commencement Sermon.
June 8. Monday—Commencement Address; Alumni-Alumnae Luncheon; Graduating Exercises; Lowering of the Flag by the Graduating Class.

GENERAL ADMINISTRATION

*FEW, WILLIAM PRESTON, A.B., A.M., Ph.D., Litt.D., Ed.D., L.H.D., LL.D.
President

**FLOWERS, ROBERT LEE, A.M., LL.D.
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Dean of the Divinity School

RUSSELL, ELBERT, A.B., A.M., Ph.D., Litt.D.
Dean Emeritus of the Divinity School

* Died, October 16, 1940.

** Elected January 29, 1941.

INSTRUCTIONAL STAFF

GARBER, PAUL NEFF, A.B., A.M., Ph.D.

Dean of the Divinity School and Professor of Church History

RUSSELL, ELBERT, A.B., A.M., Ph.D., Litt.D.

Dean Emeritus of the Divinity School and Professor of Biblical Interpretation

BRANSCOMB, BENNETT HARVIE, A.B., M.A., (Oxon.), Ph.D., Litt.D.

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Ivey Professor of the History of Religion and Missions

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Professor of Religious Education

STINESPRING, WILLIAM FRANKLIN, B.A., M.A., Ph.D.

Associate Professor of Old Testament

ADAMS, DONALD KEITH, A.B., M.A., Ph.D.

Associate Professor of Psychology

* Absent on leave, second semester, 1940-41.

** Absent on leave, first semester, 1941-42.

*** Absent on leave, second semester, 1941-42.

BARNES, JAMES FOSTER, A.B., A.M.
Instructor in Church Music

CRISPELL, RAYMOND, A.B., M.D.
Associate Professor of Neuropsychiatry

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Associate Professor of Sociology

WIDGERY, ALBAN GREGORY, B.A., M.A.
Professor of Philosophy

COMMITTEES OF THE FACULTY

Admissions: Garber, Russell, Smith.

Alumni: Garber, Branscomb, Hickman.

Bulletin: Cannon, Hickman, Spence.

Chapel: Outler, Spence, Stinespring.

Curriculum: Garber, Branscomb, Cannon, Russell, Smith.

Endowments: Rowe, Clark, Ormond.

Extension: Hickman, Rowe, Russell.

Honors and Awards: Myers, Hart, Stinespring.

Library: Branscomb, Petry, Rowe.

Public Exercises: Stinespring, Cannon, Rowe.

Registration: Petry, Ormond.

Research: Smith, Branscomb, Hart.

Social: Spence, Clark, Dubs.

Social Service: Hart, Dubs, Smith.

Spiritual Life: Russell, Myers, Petry.

Student Field Work: Ormond, Myers, Outler.

Theses: Clark, Cannon, Outler.

THE DIVINITY SCHOOL OF DUKE UNIVERSITY

HISTORICAL STATEMENT

The present Duke University has been gradually developed from a simple beginning in a local school established in 1838 in the northwestern part of Randolph County, North Carolina. This school was enlarged in 1840 and named Union Institute. In 1841 it was incorporated as Union Institute Academy by the legislature of North Carolina. Under the leadership of President Braxton Craven, the Academy grew into an institution chartered as Normal College in 1851. An amendment to the charter in November, 1852, authorized Normal College to grant degrees, and two students were graduated in 1853 with the degree of Bachelor of Arts.

In 1859 the charter of Normal College was amended to place the institution under the control of the Methodist Episcopal Church, South, and the name was changed to Trinity College. Dr. John Franklin Crowell became president of Trinity College in 1887. The most important achievement of his administration was the removal of the College to Durham, North Carolina, which was accomplished by September, 1892.

President Crowell resigned in 1894, and was succeeded by the Reverend John Carlisle Kilgo, D.D. During President Kilgo's administration the endowment of Trinity College was greatly increased, a library and other important buildings were erected, and notable progress was made in increasing the variety and improving the quality of the courses of instruction. A School of Law was established in 1904 by the gift of James B. and Benjamin N. Duke. In 1910 President Kilgo was succeeded by Dr. William Preston Few.

Trinity College experienced a great expansion in faculty, endowment, buildings, and equipment during President Few's administration. In December, 1924, James B. Duke established a \$40,000,000 trust fund for educational and charitable purposes. Trinity College accepted the terms of the indenture of trust on December 29, 1924, and on the following day the name of the institution was changed to Duke University. Mr. Duke's death in 1925 was followed by the announcement of munificent provisions in his will for the development of the University which bears his family name. Following the death of President Few in October, 1940, Dr. Robert Lee Flowers was elected as his successor on January 29, 1941.

THE DIVINITY SCHOOL

Trinity College was established by Christian men for the purpose of providing education for young men and women under distinctive Christian auspices. There has been no departure from this clearly defined aim. On the contrary, there has been ever-increasing emphasis placed upon this feature of the work of the College, especially in the provision

in the curriculum for a great variety of courses on the Bible and other religious subjects.

Through the gift of James B. Duke, the Divinity School and its curriculum have been separated from the work of the Department of Religion in Trinity College. Among those for whom his gift was intended Mr. Duke placed ministers first. He felt sure that his native state of North Carolina stood in need primarily of a better educated and more efficiently trained ministry. The organization of the Divinity School of Duke University, the first of the professional schools to start its work, is the carrying out of this intention on the part of Mr. Duke. The work of the School began with the academic year 1926-27, though the formal opening exercises were not held until November 9, 1926.

The Divinity School is a member of the American Association of Theological Schools and was included in the list of accredited theological schools approved by the Association in June, 1938.

THE PURPOSE OF THE DIVINITY SCHOOL

Christian work has now expanded to the extent that it covers far more than the work of a preacher or minister. The Divinity School of Duke University purposes to offer training for those engaged in all types of Christian service. This includes missionaries, teachers of Bible and other religious subjects in the schools and colleges of the church, directors of religious education, and social workers. In the future it is planned to fit the courses more completely to the needs of these workers. Still it must be kept clear that the minister in charge of a church, who stands before the people to preach the Gospel of Christ, is the center and key to the whole problem of Christian work in the church. It is felt with strong conviction that the training of all Christian workers should be maintained on a high level. Consequently, the Divinity School is organized on a strictly graduate basis. It is sincerely hoped that the standard thus set may increasingly influence the type of men and women entering Christian work and may lead them to demand the best of themselves in the prosecution of the work of Christ among men.

RELATION OF THE DIVINITY SCHOOL TO DUKE UNIVERSITY

As one of the co-ordinate schools of Duke University, the Divinity School is in closest touch with the other schools, particularly with Trinity College and with the Graduate School of Arts and Sciences. Various privileges of Duke University are open to students of the Divinity School. Students in the School are expected to take part in the religious and social life of the University campus and to share in athletic interest and activities.

REQUIREMENTS FOR ADMISSION

Candidates for matriculation must be graduates of colleges of recognized standing. They will be admitted without examination on presenta-

tion of an official transcript of all college credits and such other credits as they may have secured. This applies to students coming from foreign countries as well as to students from institutions in the United States. They must satisfy the Faculty as to their Christian character and purpose. To this end a letter regarding a student's character and purpose from the pastor of his home church, a church official or some faculty member in the college where he did his undergraduate work, should be presented at the time of admission. Women will be admitted on the same conditions as men. Graduates from nonaccredited institutions may be admitted on probation.

PART-TIME SCHEDULES

Students who are not giving full time to their studies in the Divinity School may carry only limited schedules of class work.

REQUIREMENTS FOR GRADUATION

The requirements for the degree of Bachelor of Divinity are ninety semester hours, six semester hours of which shall be covered by the writing of an adequate thesis, either in a thesis seminar or under supervised thesis guidance. The course is planned to cover three years, of two semesters each. In no case will the degree of Bachelor of Divinity be conferred on a student until he has spent at least two full semesters in residence in the Divinity School, and has satisfactorily completed a minimum of twenty-four semester hours of work.

THESIS

A thesis is required of all candidates for the degree of Bachelor of Divinity. It shall be of such a character as shall evidence a knowledge of the methods of research and an ability to conduct independent investigations. It shall be written upon some topic in the major field of study. The candidate is responsible for the selection of a suitable subject, which must be approved by the professor in charge of the major field and must be filed with the Dean of the Divinity School on or before October 5 of the academic year in which it is expected that the degree will be conferred. Following the submission and approval of the subject of the thesis no changes shall be permitted, except changes for the purpose of clarification or limitation of the subject. A student who does not complete his thesis within a period of three years from the date of the approval of his subject must secure a reapproval of the old subject or the approval of a new subject. The thesis shall be prepared under the supervision and guidance of the professor in charge of the major field. No student shall be allowed to write his thesis *in absentia* except with the approval of the Committee on Theses upon the recommendation of the professor in charge of the thesis. In all such cases regular reports as to the progress of the thesis must be made to the professor in charge, as often as he may deem wise.

The thesis shall be between one hundred and one hundred and twenty pages in length, inclusive of introduction, conclusion, appendices, and bibliography, except in unusual cases clearly recognized as such by the Committee on Theses in approving thesis subjects. The student, the director, and the Committee on Theses shall be responsible for the selection and approval of such subjects as can be treated satisfactorily within these limits.

The thesis shall be read by a committee of three members of the Faculty of the Divinity School, consisting of the professor under whose direction the thesis has been written and two other members appointed by the Dean, one of whom shall be of a department other than that in which the thesis is written. Each candidate shall be examined orally on his thesis by the committee appointed to read it, said examination not to exceed one hour in length. The thesis must be satisfactory to a majority of the members of the Committee of Examination, including the representative of the department in which the thesis was written.

A complete, typed copy of the thesis shall be in the hands of the professor under whom the thesis is written, for correction, by May 1, and three permanently bound typewritten copies shall be presented for examination not later than May 15 of the year in which it is expected the degree will be conferred. Theses submitted after May 15 shall not be considered as fulfilling the requirements for graduation in that academic year. In the case of extensive corrections of the thesis in the course of the examination, such retyping and rebinding of the thesis as the Committee of Examination may desire shall be required.

PRESEMINARY CURRICULUM

The Divinity School, in substantial agreement with the standards of the American Association of Theological Schools, recommends that prospective candidates for admission keep in mind the desirability of including the following in their undergraduate curriculum:

Two years' work in English literature and composition.

Two years in a foreign language.

One semester each in psychology, philosophy, and sociology (or economics).

One year in history.

An introduction to the natural sciences with adequate laboratory work (biology or one of the physical sciences).

Proficiency in public speaking.

REQUIREMENTS FOR THE DEGREE OF BACHELOR OF DIVINITY

GENERAL REQUIREMENTS

Ninety semester hours are required for graduation. Forty-five of these must be the following:

Old Testament	6 s.h.
New Testament	6 s.h.
Christian Doctrine	6 s.h.
Church History	6 s.h.
Homiletics	6 s.h.
History of Religion and Missions	6 s.h.
Religious Education	3 s.h.
Practical Theology	3 s.h.
Philosophy of Religion and Christian Ethics	3 s.h.
	45 s.h.

MAJORS AND THESES

Each student must select a major field in which he elects to write his thesis and in which he must take fifteen semester hours including the general requirement in that field. This choice must be made by the end of the Middle year. A student may take his major in any of the departments of the Divinity School. He may also take his major in English Bible. To major in that field, he must complete in addition to the required work in the Departments of Old Testament and New Testament six semester hours in the Department of Old Testament and six semester hours in the Department of New Testament, exclusive of language.

DISTRIBUTION OF COURSES BY YEARS

JUNIOR YEAR

Old Testament	6 s.h.
New Testament	6 s.h.
Church History	6 s.h.

The remaining twelve semester hours shall be chosen from the remaining required courses in the Departments of Practical Theology, Religious Education, History of Religion and Missions, but not more than six semester hours shall be taken in one department. Students desiring courses in Greek and Hebrew may secure a suitable rearrangement of the distribution of courses by years on approval of the Registration Committee.

12 s.h.

30 s.h.

MIDDLE YEAR

Christian Doctrine	6 s.h.
Homiletics	6 s.h.
Philosophy of Religion and Christian Ethics	3 s.h.

After all other required courses are completed, the remainder of the work of this year is elective, but not more than twelve semester hours shall be taken in one department.

15 s.h.

30 s.h.

SENIOR YEAR

In the Senior year the student must fulfill all general requirements not completed in the Junior and Middle years. The remainder of the work is elective.

30 s.h

TABLE OF REQUIRED COURSES**OLD TESTAMENT**

203-204. Introduction to the Old Testament 6 s.h.

NEW TESTAMENT

213-214. The Beginnings of Christianity 6 s.h.

CHRISTIAN DOCTRINE

321. Introduction to Theology, *and* 3 s.h.

322. Introduction to the History of Christian Thought 3 s.h.

CHURCH HISTORY

233. Church History to the Reformation 3 s.h.

234. The History of the Evangelical Movement 3 s.h.

HOMILETICS

341-342. Theory and Practice of Preaching 6 s.h.

PRACTICAL THEOLOGY

351. Church Administration 3 s.h.

RELIGIOUS EDUCATION

262. The Educational Work of the Church 3 s.h.

PHILOSOPHY OF RELIGION AND CHRISTIAN ETHICS

291. Christian Ethics 3 s.h.

HISTORY OF RELIGION AND MISSIONS

281. Living Religions of the World 3 s.h.

282. Missionary Promotion 3 s.h.

COURSES OF INSTRUCTION*

OLD TESTAMENT

201-202. First Hebrew.—The principles and structure of the Hebrew language with translation of selected Old Testament narratives. M.W.F. at 9:30. 6 s.h. ASSOCIATE PROFESSOR STINESPRING

203-204. Introduction to the Old Testament.—The origin, literary forms, and contents of the books of the Old Testament in their geographical and historical setting. M.W.F. at 8:00. 6 s.h.

PROFESSOR RUSSELL AND ASSOCIATE PROFESSOR STINESPRING

301. Old Testament Theology.—The religious and ethical teachings of the books of the Old Testament in their historical development. Prerequisite: Old Testament 203-204. T.Th.S. at 10:20. 3 s.h. PROFESSOR RUSSELL

302. The Exegesis of Selected Books of the Old Testament.—A study of the Wisdom Literature with special emphasis on the Book of Job. Based on the English text. Prerequisite: Old Testament 203-204. T.Th.S. at 10:20. 3 s.h. PROFESSOR RUSSELL

304. Aramaic.—A study of the Aramaic portions of the Old Testament, and selected passages from the Targums, Midrashes, and Talmuds. Hours to be arranged. 3 s.h. ASSOCIATE PROFESSOR STINESPRING

305-306. Elementary Arabic.—No prerequisite, but one year of Hebrew recommended as preparation. 6 s.h. ASSOCIATE PROFESSOR STINESPRING
[Not offered in 1941-42]

307-308. Second Hebrew.—Samuel or Kings the first semester and Isaiah the second. M.W.F. at 2:00. 6 s.h. ASSOCIATE PROFESSOR STINESPRING

309. History of the Ancient Near East.—A survey of the early civilizations of Egypt, Palestine, Syria, and Mesopotamia in the light of Biblical archaeology. T.Th.S. at 11:30. 3 s.h. ASSOCIATE PROFESSOR STINESPRING

310. Old Testament Prophecy.—A study of the social teachings of the Old Testament with special reference to the prophets of the eighth century B.C. T.Th.S. at 10:20. 3 s.h. ASSOCIATE PROFESSOR STINESPRING
[Not offered in 1941-42]

401-402. Thesis Seminar.—For students majoring in the Department of Old Testament. Hours to be arranged. (Upon the satisfactory completion of the thesis the student receives six semester hours' credit for the thesis.) DEPARTMENTAL STAFF

NEW TESTAMENT

211-212. Hellenistic Greek.—Designed for beginners to enable them to read the Greek New Testament. T.Th.S. at 8:00. 6 s.h., provided the student takes six semester hours in New Testament Greek the following year. ASSISTANT PROFESSOR CLARK

* On recommendation of the professor in charge of the major field, courses offered in the Graduate School of Arts and Sciences other than those approved for credit in the Divinity School may be approved for credit in individual cases, provided no equivalent course is offered in the Divinity School; each case to be decided on its merits.

213-214. The Beginnings of Christianity.—A survey course dealing with the background, the beginnings, and the early history of Christianity. Special attention is given to the creation of the literature of the New Testament. M.W.F. at 9:10. 6 s.h. PROFESSOR BRANSCOMB

217. The New Testament in Greek.—Considerable portions of the Greek text of the New Testament will be read and the principles of Hellenistic Greek studied. Prerequisite: six semester hours' study of the Greek language. T.Th.S. at 9:10. 3 s.h. PROFESSOR BRANSCOMB

218. Galatians and I Corinthians.—A detailed study of two of Paul's major epistles. The course will be based on the Greek text. Prerequisite: New Testament 217 or its equivalent. T.Th.S. at 9:10. 3 s.h. ASSISTANT PROFESSOR CLARK

219. Life of Paul.—A study of Paul's life on the basis of Acts and the letters of Paul, emphasizing the permanent values in Paul's work and his contribution to the world. T.Th.S. at 11:30. 3 s.h. PROFESSOR MYERS
[Not offered in 1941-42]

220. I Peter and the Gospel of John.—A detailed study of two of the non-Pauline writings of the New Testament. The course will be based on the Greek text. Prerequisite: New Testament 217 or its equivalent. T.Th.S. at 9:10. 3 s.h. ASSISTANT PROFESSOR CLARK
[Not offered in 1941-42]

311. The Life and Teachings of Jesus.—Prerequisite: New Testament 213-214. M.W.F. at 10:20. 3 s.h. ASSISTANT PROFESSOR CLARK

312. New Testament Theology.—The religious teachings of the books of the New Testament. Prerequisite: New Testament 213-214. M.W.F. at 10:20. 3 s.h. PROFESSOR RUSSELL

313. Apostolic Fathers.—A study of the Christian development from Clement of Rome to Polycarp, with readings in the Greek text. T.Th.S. at 10:20. 3 s.h. ASSISTANT PROFESSOR CLARK

314. Early Christian Apologists.—A study of Christian apologetics in the second century, with readings in the Greek text. T.Th.S. at 10:20. 3 s.h. PROFESSOR BRANSCOMB

315. Judaism at the Beginning of the Christian Era.—A study of Judaism from the time of Ben Sirach to the writing of the Mishna. Prerequisite: New Testament 213-214. T.Th.S. at 10:20. 3 s.h. PROFESSOR BRANSCOMB

316. Hellenistic Religions at the Beginning of the Christian Era.—Prerequisite: New Testament 213-214. T.Th.S. at 10:20. 3 s.h. ASSISTANT PROFESSOR CLARK

318. Text of New Testament.—A study of the materials for the reconstruction of the text, the principles of textual criticism, and the history of the text. Practical exercises in the use of manuscripts and facsimiles will be given. Prerequisite: New Testament 213-214 and a reading knowledge of Greek. T.Th.S. at 11:30. 3 s.h. ASSISTANT PROFESSOR CLARK

411-412. Thesis Seminar.—The materials and methods for the investigation of New Testament problems, with individual research done under the direction of the members of the Department. Admission by special permission. (Upon the satisfactory completion of the thesis the student receives six semester hours' credit for the thesis.) DEPARTMENTAL STAFF

CHRISTIAN DOCTRINE

221. Platonism and Christianity.—An analysis of Plato's religious philosophy and a survey of its continuing influence in Hellenistic and Christian thought. Prerequisite: six semester hours in philosophy or its equivalent (Christian Doctrine 321). T.Th. 2:00-3:30. 3 s.h.

ASSISTANT PROFESSOR OUTLER

222. Theology and Philosophy in the Nineteenth Century.—A study of Protestant thought from Schleiermacher to Troeltsch, with special attention to the reciprocal relations between theology and metaphysics. Prerequisite: six semester hours in philosophy or its equivalent (Christian Doctrine 321). T.Th. 2:00-3:30. 3 s.h.

ASSISTANT PROFESSOR OUTLER

321. Introduction to Theology.—An examination of types of theological method and an indication of some of the results obtained through a resort to observation and experience in theological investigation. M.W.F. at 8:00. 3 s.h.

PROFESSOR ROWE

322. Introduction to the History of Christian Thought.—A rapid survey of the main problems, thinkers, and epochs in the theological development of Christianity from its beginnings to the end of the nineteenth century. M.W.F. at 8:00. 3 s.h.

ASSISTANT PROFESSOR OUTLER

323. The Christian Conception of the Church.—A historical survey of the ways in which the Christian tradition has interpreted the idea of the church, followed by a critical analysis of the theological implications of such contemporary problems as church and state, church and culture, and the ecumenical movement. Prerequisite: Christian Doctrine 321. T.Th.S. at 9:10. 3 s.h.

ASSISTANT PROFESSOR OUTLER

324. The Content of Christian Doctrine.—A comprehensive survey of the doctrines of Christianity as presented systematically in the works of some recent theologians. Prerequisite: Christian Doctrine 321. M.W.F. at 11:30. 3 s.h.

PROFESSOR ROWE

[Not offered in 1941-42]

325. Soteriology.—A study of the Christian doctrine of salvation and a comparison of the various ways by which the saving power of God is understood to take effect in personal and social life. Prerequisite: Christian Doctrine 321. T.Th.S. at 11:30. 3 s.h.

PROFESSOR ROWE

326. Eschatology.—A study of "the last things" in the light of the Christian hope for the individual and for society with special consideration of the Christian doctrine of immortality. Prerequisite: Christian Doctrine 321. T.Th.S. at 11:30. 3 s.h.

PROFESSOR ROWE

327. Arminian Theology.—A study of Arminianism in the religious thought of England and America with special reference to the system of doctrine contained in the theological writings and doctrinal standards of Methodism. Prerequisite: Christian Doctrine 321. T.Th.S. at 11:30. 3 s.h.

[Not offered in 1941-42]

PROFESSOR ROWE

328. Current Theology.—A survey of the fields of current theology with special attention given to the most significant and influential movements of reconstruction and reaction in contemporary Christianity. Prerequisite: Christian Doctrine 321. M.W.F. at 10:20. 3 s.h.

PROFESSOR ROWE

329. Seminar in Historical Theology.—Selected problems in the history of Christian thought, with special reference to the relation between theology and philosophy. M. at 7:30. 2 s.h.

ASSISTANT PROFESSOR OUTLER

421-422. Thesis Seminar.—A seminar in thesis guidance. For students majoring in the Department of Christian Doctrine. Hours to be arranged. (Upon the satisfactory completion of the thesis the student receives six semester hours' credit for the thesis.) DEPARTMENTAL STAFF

CHURCH HISTORY

233. Church History to the Reformation.—A survey of the growth of the Christian Church from the Apostolic Age to the Reformation. M.W.F. at 10:20. 3 s.h. ASSISTANT PROFESSOR PETRY

234. History of the Evangelical Movement.—Beginning with the Lutheran Reformation, this course traces the rise, growth, influence, and history to 1800 of the Calvinistic, Anglican, Reformed, Quaker, Baptist, and Methodist movements. M.W.F. at 10:20. 3 s.h. PROFESSOR GARBER

331. The Social Message of the Early and Medieval Church.—A study of the social teachings of the Christian Church prior to the Protestant Reformation, stressing the contributions of Christianity to social progress. Prerequisite: Church History 233-234. T.Th.S. at 8:00. 3 s.h. ASSISTANT PROFESSOR PETRY

332. The Medieval Church.—Outstanding characteristics of the Medieval Church, emphasizing theory, polity, institutions, sacraments, and worship. Prerequisite: Church History 233-234. T.Th.S. at 8:00. 3 s.h. ASSISTANT PROFESSOR PETRY

334. A History of Christian Renunciation in the Middle Ages.—A study of the renunciatory ideal and of spiritual practices with special reference to Benedictines, Franciscans, Lowland mystics, and leading seculars. Prerequisite: Church History 233-234. M.W.F. at 10:20. 3 s.h. ASSISTANT PROFESSOR PETRY

335-336. The Church in America.—The church as a factor in the social, economic, and political life of America. Prerequisite: Church History 233-234. T.Th.S. at 10:20. 6 s.h. PROFESSOR GARBER

[Not offered in 1941-42]

337. Religion in the Southern States since the Civil War.—A study of the religious life of the Southern people since 1865. Prerequisite: Church History 233-234. 3 s.h. PROFESSOR GARBER

[Not offered in 1941-42]

339. Methodism.—A study of the beginnings and growth of the Methodist societies in England, of early Methodism in America, and of the development of the several branches of the Methodist Church in America. Prerequisite: Church History 233-234. M.W.F. at 10:20. 3 s.h. PROFESSOR GARBER

431. Modern Religious Leaders.—A study of outstanding individuals who have influenced the thought and program of the modern church. The life, work, and contributions of about twenty representative Christian leaders. Prerequisite: Church History 233-234. M.W.F. at 10:20. 3 s.h. PROFESSOR GARBER

[Not offered in 1941-42]

432. Religious Leaders of the Early and Medieval Church.—Among those to be studied are Justin Martyr, Origen, Cyprian, Athanasius, Jerome, Augustine, Benedict of Nursia, Gregory VII, Abelard, Innocent III, Francis of Assisi, Thomas Aquinas, and John Wyclif. Prerequisite: Church History 233-234. M.W.F. at 10:20. 3 s.h. ASSISTANT PROFESSOR PETRY

[Not offered in 1941-42]

437-438. Thesis Seminar.—Principles and practice of research. (Upon the satisfactory completion of the thesis the student receives six semester hours' credit for the thesis.) DEPARTMENTAL STAFF

HOMILETICS

341-342. Theory and Practice of Preaching.—Investigation of practical problems in preaching to determine causes of success and failure. Practice preaching. T.Th.S. at 9:10. 6 s.h. PROFESSORS HICKMAN, MYERS, AND ROWE

346. Doctrinal Preaching.—An inductive study of the doctrinal emphasis in preaching with particular attention to abiding doctrinal truths in an age of changing intellectual and social perspectives. T.Th.S. at 8:00. 3 s.h.
[Not offered in 1941-42] PROFESSOR HICKMAN

347. History of Preaching.—A study of significant periods and their representative preachers, to determine their value for modern preaching. M.W.F. at 11:30. 3 s.h.
[Not offered in 1941-42] PROFESSOR MYERS

348. Materials of Preaching.—A critical evaluation of selected portions of the Bible and of some non-Biblical materials for constructive modern preaching. M.W.F. at 11:30. 3 s.h.
[Not offered in 1941-42] PROFESSOR MYERS

343. Pastoral Psychology.—Identical with Psychology of Religion 373. M.W. at 3:30-5:00. 3 s.h. PROFESSOR HICKMAN

344. Psychology of Preaching.—Identical with Psychology of Religion 374. M.W. at 3:30-5:00. 3 s.h. PROFESSOR HICKMAN

PRACTICAL THEOLOGY

351. Church Administration.—The minister's qualifications for church administration; the minister's service in managing the church organization and supervising the program. T.Th.S. at 11:30. 3 s.h. PROFESSOR ORMOND

352. The Rural Church and the Community.—A study of rural conditions with special emphasis upon the church as a community institution. M.W.F. at 11:30. 3 s.h.
[Not offered in 1941-42] PROFESSOR ORMOND

354. Public Worship and Ordinances of the Church.—The principles and practice of public worship; attention to the use of the ritual in the church. M.W.F. at 11:30. 3 s.h.
[Not offered in 1941-42] PROFESSOR ORMOND

358a. Church Music.—A study of hymnology, song leading, and problems of the modern church choir. T.Th. at 10:20. 2 s.h. MR. BARNES

358b. Church Architecture.—A study of the best types of church architecture for attractiveness and effective service in open country and towns. Th. at 11:30. 1 s.h. MR. HAINES

453-454. Practicum on Rural Church Work.—(a) Using actual experiences of students in rural churches for studies in ministerial efficiency. (b) Emphasis upon the minister's character and personality as essentials to successful leadership. W. at 2:00 P.M. PROFESSOR ORMOND
[Required of all students holding appointments on the Duke Endowment. No academic credit.]

*220. Rural Sociology.—Identical with Sociology 220. M.W.F. at 8:00.
3 s.h. ASSOCIATE PROFESSOR THOMPSON

373. Pastoral Psychology.—Identical with Psychology of Religion 373.
M.W. at 3:30-5:00. 3 s.h. PROFESSOR HICKMAN

**459. Introduction to Psychiatry.—Th. at 1:30. 1 s.h.
ASSOCIATE PROFESSOR CRISPELI

RELIGIOUS EDUCATION

262. The Educational Work of the Church.—A consideration of the total task of the church from an educational viewpoint. Attention will be given to such fundamental aspects as principles and objectives of the educative process, curriculum, supervision, worship and leadership education and guidance.
T.Th.S. at 8:00. 3 s.h. PROFESSOR SPENCE

263. Curriculum of Religious Education.—Educational conceptions of the curriculum; values and uses of current curricula; principles and technics of curriculum construction. T.Th.S. at 8:00. 3 s.h. PROFESSOR SPENCE

265. Religious Drama.—A study of the uses and underlying principles of religious drama, followed by a critical examination of selected dramatic productions. M.W.F. at 9:10. 3 s.h. PROFESSOR SPENCE

266. Educational Aspects of Worship.—A study of worship in its bearing upon the educational function of the Christian religion. Students admitted on consultation. T.Th.S. at 11:30. 3 s.h. PROFESSOR SMITH
[Not offered in 1941-42]

267. Technic of Teaching Religion.—Objectives and principles of the teaching process, including a discussion of the major types of educational procedure. T.Th.S. at 8:00. 3 s.h. PROFESSOR SPENCE
[Not offered in 1941-42]

268. Drama Construction and Production.—The course will deal with the use of drama in religious education with special reference to the church and church school. It is contemplated that there will be practice in teaching through dramatics, in actually creating dramatic programs of worship, and in the writing and producing of drama. M.W.F. at 9:10. 3 s.h.
PROFESSOR SPENCE

364. Foundations of Religious Education.—A study of the fundamental conceptions underlying the theory of Christian education, including social, psychological, and theological aspects. T.Th.S. at 11:30. 3 s.h.
PROFESSOR SMITH

366. Seminar in Philosophy of Religious Education.—A critical study of the basic concepts and theories underlying religious education. Prerequisite: Religious Education 262 or its equivalent. T. at 3:30. 2 s.h.
PROFESSOR SMITH
[Not offered in 1941-42]

393-394. Religious Thought in the Rise of American Culture.—Identical with Philosophy of Religion and Christian Ethics 393-394. T.Th.S. at 9:10.
6 s.h. PROFESSOR SMITH

* Course offered in the Graduate School of Arts and Sciences which is credited toward the degree of Bachelor of Divinity.

** Course offered in the School of Medicine which is credited toward the degree of Bachelor of Divinity.

461-462. Thesis Seminar.—A seminar in thesis guidance. For students majoring in the Department of Religious Education. Hours to be arranged. (Upon the satisfactory completion of the thesis the student receives six semester hours' credit for the thesis.) PROFESSOR SPENCE

PSYCHOLOGY OF RELIGION

275. Psychology of Religion I.—An analysis of the major factors in religious experience. T.Th.S. at 8:00. 3 s.h. PROFESSOR HICKMAN
[Not offered in 1941-42]

276. Psychology of Religion II.—A study of the genesis and growth of religious experience. T.Th.S. at 8:00. 3 s.h. PROFESSOR HICKMAN
[Not offered in 1941-42]

373. Pastoral Psychology.—Study of basic psychological and psychiatric principles bearing upon cases necessarily dealt with in pastoral work. M.W. at 3:30-5:00. 3 s.h. PROFESSOR HICKMAN

374. Psychology of Preaching.—A psychological study of the preaching motive, the relation of the preacher to his congregation, and the relation of the preacher to society in general. M.W. at 3:30-5:00. 3 s.h. PROFESSOR HICKMAN

375-376. Seminar in Mysticism.—An analytical study and evaluation of mystical phases of Christianity. Prerequisite: Psychology of Religion 275 or its equivalent. F. 3:30-5:20. 4 s.h. PROFESSOR HICKMAN

471-472. Thesis Guidance.—(Upon the satisfactory completion of the thesis the student receives six semester hours' credit for the thesis.) PROFESSOR HICKMAN

***206. Social Psychology.**—Open to students in the Divinity School on consent of instructor. M.W.F. at 9:10. 3 s.h. ASSOCIATE PROFESSOR ADAMS

***223. Abnormal Psychology.**—Open to students in the Divinity School on consent of instructor. M.W.F. at 10:20. 3 s.h. PROFESSOR LUNDHOLM

***228. Psychology of Belief.**—Open to students in the Divinity School on consent of instructor. T.Th. at 10:20. 2 s.h. PROFESSOR LUNDHOLM

HISTORY OF RELIGION AND MISSIONS

281. Living Religions of the World.—A survey of the religious systems of India, China, and Japan, followed by a study of Judaism, Mohammedanism, and Christianity, the object being to trace the historical development of each religion. T.Th.S. at 10:20. 3 s.h. PROFESSOR CANNON

282. Missionary Promotion.—The history and promotion of the missionary enterprise at the home base and abroad. T.Th.S. at 10:20. 3 s.h. PROFESSOR CANNON

284. Comparative Religion.—The ideas of God, sin, salvation, the future life, and ethics in the religions of the world. Prerequisite: 281. M.W.F. at 9:10. 3 s.h. PROFESSOR CANNON

285. The Religions of the Far East.—A study of the religious systems of China, Korea, and Japan. T.Th.S. at 11:30. 3 s.h. ACTING PROFESSOR DUBS

* Courses offered in the Graduate School of Arts and Sciences which are credited toward the degree of Bachelor of Divinity.

286. The Religions of India.—A study of present-day religious movements in India, with special reference to Hinduism. T.Th.S. at 9:10. 3 s.h.
[Not offered in 1941-42] PROFESSOR CANNON

287. Mohammedanism.—The life of Mohammed and the religion of Islam, special attention being given to the Koran and its teachings. The aim is to interpret Mohammedanism as a force today. Prerequisite: 281. M.W.F. at 9:10. 3 s.h.
[Not offered in 1941-42] PROFESSOR CANNON

289. Buddhism.—India at the rise of Buddhism. Life of the Buddha and the teachings of early Buddhism. Development into the Hinayana and Mahayana schools, its spread and present condition in southern and eastern Asia. Prerequisite: 281. M.W.F. at 9:10. 3 s.h. PROFESSOR CANNON

481-482. Thesis Seminar.—Problems of research in History of Religion and Missions. Open to advanced students on approval of the instructor. Prerequisite: six semester hours in the department. Hours to be arranged. (Upon the satisfactory completion of the thesis the student receives six semester hours' credit for the thesis.) PROFESSOR CANNON

PHILOSOPHY OF RELIGION AND CHRISTIAN ETHICS

291. Christian Ethics.—An historical and systematic study of Christian conceptions of the moral life and its problems. T.Th.S. at 11:30. 3 s.h.
PROFESSOR SMITH

293. The Christian Religion and Modern Thought.—A consideration of certain conspicuous features in the thought of our times as they bear upon the Christian faith and the problems of the religious man. W.F. at 2:00-3:15. 3 s.h.
ACTING PROFESSOR DUBS

294. The Christian Religion and Values.—The problem of the meaning of human life as discussed in modern theories of values. The Christian conception of values and their relative emphasis as contrasted with some contemporary opposing views. W.F. at 2:00-3:15. 3 s.h.
ACTING PROFESSOR DUBS

295. Philosophical Foundations of Religious Belief I.—The nature of religion, its types and their characteristics as bearing upon contemporary Christianity. T.Th. at 2:15-3:30. 3 s.h.
[Not offered in 1941-42] ACTING PROFESSOR DUBS

296. Philosophical Foundations of Religious Belief II.—The problems of knowledge and value; the values of religion; the ideal religion; an attempt to formulate a tenable theistic philosophy. T.Th. at 2:15-3:30. 3 s.h.
[Not offered in 1941-42] ACTING PROFESSOR DUBS

393-394. Religious Thought in the Rise of American Culture.—A survey of the main developments in American religious thought in relation to the growth of civilization and culture. T.Th.S. at 9:10. 6 s.h. PROFESSOR SMITH

397. Seminar in American Religious Thought.—Selected problems, chiefly of the nineteenth century. T. at 3:30. 2 s.h. PROFESSOR SMITH

398. Seminar in Christian Ethics.—A critical study of selected problems. T. at 3:30. 2 s.h. PROFESSOR SMITH

491. Thesis Seminar.—A seminar in thesis guidance for students majoring in the department. (Upon satisfactory completion of the thesis the student receives six semester hours' credit for the thesis.) PROFESSOR SMITH

***203. The Philosophy of Conduct.**—A critical study of the fundamental problems of ethics. M.W.F. at 9:10. 3 s.h. ASSOCIATE PROFESSOR MORGAN

* Courses offered in the Graduate School of Arts and Sciences which are credited toward the degree of Bachelor of Divinity.

***209. Philosophy of Religion I: Philosophical Introduction.**—Religion viewed with the standpoint of consideration of deity. T.Th. at 2:15-3:30. 3 s.h. PROFESSOR WIDGERY

***210. Philosophy of Religion II: Philosophical Introduction.**—Religion viewed from the standpoint of the nature of man, his origin and destiny. T.Th. at 2:15-3:30. 3 s.h. PROFESSOR WIDGERY

***226. The History of Ethics.**—Theories of morality from Socrates to the present time. M.W.F. at 9:10. 3 s.h. ASSOCIATE PROFESSOR MORGAN

SOCIOLOGY

At least five semester hours of undergraduate sociology are prerequisite to all courses of the Department, except 234, 299, and 318. Students whose undergraduate training in sociology has been inadequate but who wish to pursue further work in the Department are advised to consult with the chairman of the Department of Sociology regarding the removal of their deficiency as soon as possible after matriculation in the Divinity School.

234. Social Ethics.—An attempt to develop answers to such questions as: How can potential leaders discover and acquire the skills required for rendering their fullest service to their fellow men—particularly capacities for creative cooperation and insight? On what intellectually and scientifically sound basis can one formulate the fundamental policies of one's life? On what ultimate criteria are social policies to be based? M.W.F. 10:20. 3 s.h.

PROFESSOR HART

299. Marriage and Family Counseling.—A survey of practical problems in the light of social, psychological, and spiritual fundamentals, for persons preparing for professional work. Th. at 3:30-5:20. 2 s.h.

PROFESSOR HART

318. Religion and the World Crisis.—An inquiry into the bearings of religion upon past social evolution and upon the possible future development of civilization. M.W. at 3:45-5:00. 3 s.h.

PROFESSOR HART

421-422. Thesis Seminar.—A seminar in thesis guidance for students majoring in sociology. Hours to be arranged. (Upon the satisfactory completion of the thesis the student receives six semester hours' credit for the thesis.)

PROFESSOR HART

***205. Social Pathology.**—A study of the causes, extent, significance, and constructive treatment of the principal forms of pathology in modern society: poverty, physical defectiveness, malnutrition, mental deficiency, mental disease, undirected leisure activities, and unstandardized commercial recreation, alcoholism, prostitution, vagrancy, and delinquency. T.Th.S. at 8:00. 3 s.h.

PROFESSOR JENSEN

***206. Criminology.**—A study of the original tendencies of man and the problem of socializing these tendencies; the relations of physical and mental defectiveness and untoward influences in the home and neighborhood to crime; the development of criminological theory and procedure, emphasizing penal and reform methods, and especially modern methods of social treatment and prevention of crime. T.Th.S. at 8:00. 3 s.h.

PROFESSOR JENSEN

* Courses offered in the Graduate School of Arts and Sciences which are credited toward the degree of Bachelor of Divinity.

***212. Child Welfare.**—A study of heredity and environment as factors in personality development; infant conservation; welfare responsibilities of the school, emphasizing the physical and mental well-being of the child, play, compulsory and industrial education; child labor, diagnosis and treatment of delinquency; care of the dependent and neglected child; child-caring agencies, public and private; and a community program of child welfare. 3 s.h.

[Not offered in 1941-42]

PROFESSOR JENSEN

***219. Urban Sociology.**—This course studies the function of the city in the larger community which it nucleates both as market and as industrial center. More detailed attention, however, is given to the inner life and problems of the city. M.W.F. at 8:00. 3 s.h.

ASSOCIATE PROFESSOR THOMPSON

***220. Rural Sociology.**—A study of the societies developed by people who settle the land and exploit it for a livelihood. The institutions peculiarly rural are the family farm, the peasant village, the ranch, and the plantation. In this course special attention is given to the plantation and the rural problems of the South. M.W.F. at 8:00. 3 s.h.

ASSOCIATE PROFESSOR THOMPSON

***319. Principles of Sociology.**—A critical study of sociological theory. The sociological theories of recent writers will be critically examined with a view to laying the foundation for a constructive theory of the social life in modern biology and psychology. T.Th.S. at 11:30. 3 s.h.

PROFESSOR ELLWOOD

***320. History of Social Philosophy.**—Lectures on the development of social thought from Aristotle to the present; the social philosophies of Plato, Aristotle, St. Augustine, Thomas Aquinas, Machiavelli, Bodin, Hobbes, Locke, Vico, Montesquieu, Rousseau, Condorcet, and the sociological systems of Comte, Spencer, Shaeffle, Lilienfeldt, Gumplowicz, Ratzenhofer, and Ward, will, among others, be considered. T.Th.S. at 11:30. 3 s.h.

PROFESSOR ELLWOOD

* Courses offered in the Graduate School of Arts and Sciences which are credited toward the degree of Bachelor of Divinity.

GENERAL INFORMATION

FEES

Tuition is remitted to students matriculated in the Divinity School, for which they are expected to render from time to time service which shall not interfere with their work in the Divinity School.

Each student is assessed per semester as follows:

Matriculation Fee	\$25.00
Library Fee	5.00
Athletic Fee	5.00
Publication Fee (optional)	2.50
Hospital Fee	5.00
Damage Fee	1.00

Each student is assessed, in the last semester before a degree is conferred, a Commencement Fee of \$3.00 and a Diploma Fee of \$5.00. The latter fee is refunded if the diploma is not awarded.

LATE REGISTRATION

Students matriculating in either semester at a date later than that prescribed in the catalogue shall pay to the Treasurer of the University a penalty of \$5.00.

ROOMS

All rooms in the dormitories are provided with heat, water, and electric light. Each student furnishes his own blankets, sheets, pillow slips, towels, and pillows. Students must furnish their own electric lamps, which can be purchased from the University Store.

Rooms for a given year may be engaged at the office of the Director in the Business Division at any time before May 15 of the preceding year. Every student who wishes to retain his room for the succeeding year must notify the office of the Director in the Business Division on or before May 15. All rooms which have not been signed for on or before May 15 will be considered vacant for the succeeding year. A reservation is cancelled, and the University is free to rent the room to other students, unless a deposit of \$25.00 for each proposed occupant, in part payment of the rent, is made by August 1. Further information concerning the rental of rooms can be secured from the Dean of the Divinity School.

BOARDING HALLS

The University dining hall in the University Union has accommodations for all the resident men students. It is the policy of the University to furnish board to the students at actual cost. Board may be secured at the Union for an amount not to exceed \$25.00 per month. The Union

is the logical center of student activities, and all male students are advised to board in its supervised halls.

STUDENT AID

Scholarships are available for students, the terms of which may be ascertained by correspondence with the Dean of the Divinity School. Aid is also given in securing positions in churches. Students who need financial help may be assured that the administration will do all in its power to give the necessary assistance.

N. EDWARD EDGERTON SCHOLARSHIP FUND

In 1939 Mr. N. Edward Edgerton, of Raleigh, North Carolina, an alumnus of Duke University of 1921 and president of the Duke University Alumni Association, established the N. Edward Edgerton Scholarship Fund in the Divinity School. The purpose of the Edgerton Fund as specified by the donor is a "scholarship or scholarships to be awarded only to students who are candidates for the B.D. degree in the Divinity School."

THE LIBRARY

The Divinity School has its own library, conveniently housed in the Divinity School Building. The Library, which contains materials dealing with the subject of religion, already numbers nearly thirty thousand volumes. It has been carefully selected and is the equivalent in working efficiency of many libraries which are much larger. It is already rich in complete files of the more important journals and periodicals, in sets containing source materials for the study of the history of religion and missions, in facsimiles of the more important manuscripts of the New Testament, and in source materials in the field of American church history. The Library is being rapidly expanded. One of the outstanding possessions of the Library is a magnificent Greek manuscript of the thirteenth or fourteenth centuries containing the entire text of the New Testament.

Besides this special library, students of the Divinity School have the use of the General Library of the University, the Library of the School of Law, and the Library of the School of Medicine. All these libraries are located near the Divinity School Building.

MASTER OF ARTS AND DOCTOR OF PHILOSOPHY DEGREES IN RELIGION

The Bachelor of Divinity degree is the only degree conferred by the Divinity School. There is, however, a very close relationship between the Divinity School and the Graduate School of Arts and Sciences, which confers the degrees of Master of Arts and Doctor of Philosophy. Students desiring additional graduate study beyond the degree of Bachelor of Divinity should correspond with the Dean of the Graduate School of Arts and Sciences.

**FACILITIES FOR ADVANCED STUDY IN THE AMERICAN
SCHOOLS OF ORIENTAL RESEARCH**

The Divinity School of Duke University is one of the supporting members of the American Schools of Oriental Research. This grants to students in the Divinity School the privilege of attending the American School in Jerusalem or the one in Bagdad without charge for tuition. They are also able to compete for the financial aids that are offered annually by the Schools. These consist of four fellowships, the stipends depending upon available funds.

RELIGIOUS LIFE

The students of the Divinity School are expected to attend the regular University Chapel services which are held on Tuesday and Friday of each week. Special chapel services for the Divinity School are held each Monday and Wednesday.

In this, as in other features of the University life, the students of the Divinity School are urged to identify themselves with the life of the whole student group.

DATE OF REGISTRATION

Classwork in the Divinity School for the academic session of 1941-42 will begin on Monday, September 22, 1941. The registration of students in the Divinity School will be held on Saturday, September 20, 1941.

ADDITIONAL INFORMATION

Requests for information not contained in this bulletin should be addressed to the Dean of the Divinity School, Duke University, Durham, North Carolina.

JUNALUSKA SCHOOL OF RELIGION

[AFFILIATED WITH DUKE UNIVERSITY]

LAKE JUNALUSKA, N. C.

JULY 21-AUGUST 30, 1941

FIRST HALF, JULY 21-AUGUST 9

SECOND HALF, AUGUST 11-AUGUST 30

INSTRUCTORS

PAUL NEFF GARBER

A.B., Bridgewater College; A.M., Ph.D., University of Pennsylvania

Director and Professor of Church History

DUKE UNIVERSITY

HERMAN NELSON BEIMFOHR

A.B., Bradley College; B.D., Garrett Biblical Institute;

A.M., Northwestern University

Professor of Religious Education

DIRECTOR OF WESLEY FOUNDATIONS, SOUTHERN CALIFORNIA-ARIZONA
CONFERENCE

JOHN KEITH BENTON

A.B., Birmingham-Southern College; B.D., Yale University; Ph.D.,
University of Edinburgh

Professor of Philosophy of Religion

VANDERBILT UNIVERSITY

ELMER TALMADGE CLARK

A.B., Birmingham-Southern College; A.M., George Peabody College;

B.D., S.T.D., Temple University

Professor of Missions

ASSISTANT SECRETARY, BOARD OF MISSIONS AND CHURCH EXTENSION,
THE METHODIST CHURCH

KENNETH WILLIS CLARK

A.B., Yale University; B.D., Rochester Theological Seminary;

Ph.D., University of Chicago

Professor of New Testament

DUKE UNIVERSITY

DONALD M. MAYNARD

A.B., Ohio Wesleyan University; B.D., Garrett Biblical Institute;

Ph.D., Yale University

Professor of Religious Education

SCARRITT COLLEGE

ALBERT COOK OUTLER

A.B., Wofford College; B.D., Emory University; Ph.D., Yale University

Professor of Historical Theology

DUKE UNIVERSITY

THE JUNALUSKA SCHOOL OF RELIGION

[AFFILIATED WITH DUKE UNIVERSITY]

The Junaluska School of Religion is a joint enterprise under the direction of Duke University, the Board of Education and the Board of Missions and Church Extension of the Methodist Church. It was established in 1928 to provide an opportunity during the summer months for religious workers and students to secure at the seat of one of the church-wide assemblies courses of study which could be credited on undergraduate and graduate degrees.

During the past thirteen years students have been enrolled from the following groups: pastors; employed officers of Annual Conference Boards; officers of General Boards of the Church; professors of religious education and Bible in church-related colleges and universities; persons accredited as instructors in training schools; individuals desiring courses which would count on the Bachelor of Arts degree; graduate and theological students desiring courses to be credited on the Bachelor of Divinity degree.

The Junaluska School of Religion offers an unusual opportunity to pastors and directors of religious education who desire courses in line with the work they are doing, which will keep them abreast of the currents of thought in the religious world of today, and which will at the same time give them credit on college, university, and seminary degrees.

RELATION TO DIVINITY SCHOOL OF DUKE UNIVERSITY

Academic matters relating to the Junaluska School of Religion are in charge of the Faculty of the Divinity School of Duke University. The Junaluska School of Religion includes one summer term of the Divinity School of Duke University. Three members of the Faculty of the Divinity School serve on the instructional staff of the Junaluska School of Religion.

CREDITS

All courses meet ten times a week for eighty-minute periods. Each course satisfactorily completed will receive a credit of three semester hours. One course may be taken by each student during each term.

It will be observed that, in order to effect greater concentration, courses are offered in double periods daily for three weeks. When the first three-week unit is completed, another course closely related is carried through the second three weeks. The first three-week term is from July 21 to August 9; the second three-week term is from August 11 to August 30.

The student, however, should be cautioned at this point: Duke University does not accept for degree credit a unit of three semester hours

until the student has completed an approved related unit at some subsequent time. In other words, if a student completes only three semester hours of credit during the summer of 1941, he must at some later time complete additional related work to the amount of at least three semester hours in order to have enough credit to count toward a degree. The student, on the other hand, who completes the full period of six weeks receives unconditional credit for the courses approved and completed.

The credits secured for work done will be Duke University credits and will count on the Bachelor of Arts and Bachelor of Divinity degrees. These credits may, of course, be transferred to other colleges, universities and theological schools in the same way that such transfer of credit is usually made. The credits will also be accepted on teachers' certificates.

CALENDAR AND REGISTRATION

The fourteenth session of the Junaluska School of Religion will be held from July 21 to August 30, 1941. Recitations will be held five days in the week, all Saturdays except July 26 and August 23 being holidays.

Monday, July 21, is reserved for registration of students in the first half-term. Advanced registration may also be made through correspondence with the Director. Regular classes will meet at 8:15 Tuesday morning, July 22.

ADMISSION

All candidates for credit toward graduate and theological degrees must be graduates of colleges of recognized standing. College undergraduates who have completed the Junior year and who are ranked as incoming Seniors may also register for the courses, and their credits will count toward the degree of Bachelor of Arts. A limited number of Juniors can enroll for credit in the courses, but not more than three Juniors are permitted in any one course.

FEES AND EXPENSES

A general matriculation fee of \$5.00 is due at time of registration and a special fee of \$5.00 in each course for which the student registers. There is also a \$4.00 ground fee for three weeks or \$6.00 for six weeks which is paid to the Lake Junaluska Assembly, Inc. The only other expenses will be those in connection with room and board. There is a fee of \$5.00 for auditors who desire only to audit the course without receiving credit for it.

HOTELS AND BOARDINGHOUSES

There are a large number of hotels and lodging places at Lake Junaluska. The proprietors offer special rates to Junaluska School of Religion students. The rates vary with the accommodations desired.

The Board of Education conducts a cafeteria and has dormitories in connection with the Education Building for the convenience of students

in the Junaluska School of Religion and in the Leadership Schools. Students desiring entertainment in these buildings should make reservation by writing to Board of Education, 810 Broadway, Nashville, Tennessee.

The Board of Missions and Church Extension operates the Mission Inn at Lake Junaluska. It is operated on the American Plan and can accommodate approximately two hundred persons. The Mission Inn offers all the accommodations found in modern resort hotels. It is equipped with elevator service. Because of the limited space in the Mission Inn all students planning to be guests should make early reservations. Correspondence concerning rates and reservations should be addressed to the Mission Inn, Lake Junaluska, North Carolina.

In addition to the dormitories of the Board of Education and the Mission Inn there are other hotels and lodging places at Lake Junaluska. There are also available for rent during the summer season many desirable private cottages within a few minutes' walk of the Education Building. These cottages are furnished with water and lights and are equipped for light housekeeping. A trailer camp is also available.

For detailed information as to rates and other particulars concerning the hotels, boarding houses, furnished cottages and trailer camp write Dr. W. A. Lambeth, President, Lake Junaluska Assembly, Inc., Lake Junaluska. The director of the Junaluska School of Religion will also be glad to assist all students in the selection of living accommodations while at Lake Junaluska.

COURSES OF INSTRUCTION

(*Note.* In the description of courses the following abbreviations occur: *First* means that the course will be offered during the period, July 21-August 9; *Second* means that the course will be offered during the period, August 11-August 30. All classes meet for two eighty-minute periods, five days a week. The first period begins at 8:15; the second period concludes at 11:05.)

S319. The Life and Letters of Paul.—A study of the most influential leader in the early formative days of Christianity. The aim is to examine his personal and religious experience, the problems he encountered, the solution he offered, and the forms of belief and practice he advocated. *First.*

MR. K. W. CLARK

S320. Apocalyptic Literature.—Discussion of early Christian apocalyptic writings, with special attention to the Apocalypse of John. The origin, development and significance of the apocalyptic idea in the Christian faith. *Second.*

MR. K. W. CLARK

S323. The Christian Conception of the Church.—An historical survey of the various ways in which the idea of the church has been interpreted in the Christian tradition, followed by a critical analysis of the theological implications of such contemporary problems as church and state, church and culture and the ecumenical movement. *First.*

MR. OUTLER

S328. Current Theology.—A critical survey of the thought and trends reflected in the writings of the most significant contemporary theologians. Special attention will be given to the influential movements of the reconstruction and reaction in modern Christianity. *Second.*

MR. OUTLER

S335. The Church in America.—The church as a factor in the social, economic, and political life of America. *First.*

MR. GARBER

S338. Methodism.—A study of the beginnings and growth of the Methodist societies in England, of early Methodism in America, and of the development of the several branches of the Methodist Church in America. *Second.*

MR. GARBER

S361. The Educational Work of the Church.—A consideration of the total task of the church from an educational viewpoint. Attention will be given to such fundamental aspects as principles and objectives of the educative process, curriculum, supervision, worship and leadership education and guidance. *Second.*

MR. MAYNARD

S362. Leadership Training for Effective Student Christian Work.—This course is designed to aid leaders of students to understand the student and the needs of students and to offer guidance in building creatively a religious program and an organization to meet these needs. *First and second.*

MR. H. N. BEIMFOHR

S381. Missions in the Modern World.—A survey of present religious conditions and the status of missionary work in the important mission fields; the great missionary agencies, their foundation and growth; social progress in home and foreign fields. *First.*

MR. E. T. CLARK

S386. Missionary Promotion.—The promotion of the missionary enterprise at the home base and abroad. *Second.* MR. E. T. CLARK

S391. Philosophy of Religion.—A study of the nature of religion and of some of its basic postulates and philosophical implications. *First.* MR. BENTON

Address applications or requests for information to

PAUL N. GARBER

Director of Junaluska School of Religion

DUKE UNIVERSITY

Durham, N. C.

CANDIDATES FOR THE DEGREE OF BACHELOR OF DIVINITY

JUNIOR CLASS

Andes, Carey Atkins A.B., Greensboro College, 1940.	High Point, N. C.
Beard, John S. A.B., Central College, 1940.	St. Louis, Mo.
Bedenbaugh, Kenneth Wilson B.S., Wofford College, 1940.	Hartsville, S. C.
Benson, Clark William A.B., Wofford College, 1940.	Salisbury, N. C.
Brown, Byron Roy A.B., Morningside College, 1940.	Sioux City, Iowa
Cagle, John Frank A.B., High Point College, 1940.	Eldorado, N. C.
Carroll, Howard A.B., University of Richmond, 1938.	Easton, Md.
Carter, James Edwin B.S., Appalachian State Teachers College, 1940.	Danville, Va.
Caviness, Woodrow Darlington A.B., Wofford College, 1940.	Siler City, N. C.
Cooper, Joel Aubrey A.B., Hendrix College, 1940.	Paragould, Ark.
Cravens, Byron Clay A.B., Hendrix College, 1940.	Walnut Ridge, Ark.
Crutchfield, Gilbert Wesley A.B., Asbury College, 1940.	Sanford, N. C.
Culbreth, George Bernice A.B., Duke University, 1940.	Chapel Hill, N. C.
Edwards, William Alpheus A.B., Randolph-Macon College, 1940.	Courtland, Va.
Francisco, Ross A.B., Emory and Henry College, 1940.	Bluefield, W. Va.
Hilbert, John Cassell A.B., Dickinson College, 1940.	Catonsville, Md.
Ingram, Osmond Kelly A.B., Birmingham-Southern College, 1940.	Birmingham, Ala.
Jordan, John Sharpe A.B., Duke University, 1940.	Mount Airy, N. C.
Judy, Carl Wesley A.B., Morris Harvey College, 1940.	Charleston, W. Va.
Kesler, Robert Harris A.B., Randolph-Macon College, 1940.	Roanoke, Va.
Leppard, LeRoy DeKalb Ph.B., University of Chicago, 1928.	Wendell, N. C.
*Little, Brooks Bivens A.B., Duke University, 1941.	Durham, N. C.
McCoy, Lewistine Martin A.B., Kentucky Wesleyan College, 1940.	Lexington, Ky.
McKenry, John Archibald, Jr. A.B., Fairmont State Teachers College, 1940.	Lynchburg, Va.
Major, James Edward A.B., Hendrix College, 1940.	Little Rock, Ark.

* The degree of Bachelor of Arts will be conferred in June, 1941.

Maxwell, Asmond Leonard
A.B., Emory University, 1940.

Medlin, William Tracy, Jr.
A.B., Wofford College, 1940.

Mercer, Charles Henry
A.B., Wofford College, 1940.

Merchant, James William
A.B., Randolph-Macon College, 1940.

Miller, Gilbert Shelly
A.B., Lenoir-Rhyne College, 1940.

Rainwater, Roland William, Jr.
A.B., Wofford College, 1940.

Reed, Ralph Lee
A.B., Emory University, 1940.

Rice, John Edward
B.S., Florida Southern College, 1940.

Ruckman, Lee Van, Jr.
A.B., Emory and Henry College, 1940.

Scofield, Fon Hulester
A.B., Wake Forest College, 1940.

Sharpe, Charles Cleveland, Jr.
A.B., High Point College, 1940.

Steele, Chester Raymond
A.B., Centenary College, 1940.

Stubbs, David Leon, Jr.
A.B., Duke University, 1940.

Thumm, Milford Vernon
A.B., Morris Harvey College, 1940.

*Walker, Judith Clement
A.B., Duke University, 1941.

Wellons, Albert Wilson
A.B., Lenoir-Rhyne College, 1940.

Whitesel, John Asbury
A.B., Randolph-Macon College, 1940.

Elberton, Ga.

Raleigh, N. C.

Lumberton, N. C.

Kearneysville, W. Va.

Statesville, N. C.

Roberdell, N. C.

Monroe, N. C.

Montgomery, Ala.

Lexington, Va.

Youngsville, N. C.

Greensboro, N. C.

Shelbyville, Tex.

Aurora, N. C.

Charleston, W. Va.

Durham, N. C.

Wilkesboro, N. C.

Washington, D. C.

MIDDLE CLASS

Andrews, Joseph Russell
A.B., Wofford College, 1939.

Boyd, George Hilliard
A.B., Roanoke College, 1936.

Branch, Douglas McKinley
A.B., Wake Forest College, 1937.

Bromley, Ernest Raymond
B.S., Boston University, 1939.

Caldwell, Joseph Edmund
A.B., Lenoir-Rhyne College, 1939.

Carruth, Paul
B.S., Millsaps College, 1939.

Cooke, Ross Alton
A.B., Birmingham-Southern College, 1938.

Culp, William B. A.
A.B., American University, 1939.

Davis, William Dixon
A.B., University of South Carolina, 1939.

Dollar, Melvin
A.B., Elon College, 1939.

Lindsey, Jordan Allen, Jr.
A.B., Millsaps College, 1933.

Lake Toxaway, N. C.

Patrick Springs, Va.

Cary, N. C.

Bath, N. C.

Hickory, N. C.

McComb, Miss.

Birmingham, Ala.

Gold Hill, N. C.

Mullins, S. C.

Malone, Ala.

Pelahatchie, Miss.

* The degree of Bachelor of Arts will be conferred in June, 1941.

Lyu, Kingsley Kyungsang A.B., Chosen Christian College, 1929; B.S., Syracuse University, 1938; M.A., Syracuse University, 1939.	Seoul, Korea
Mackay, Donald Mason A.B., Emory University, 1938.	Atlanta, Ga.
Meacham, Benjamin Franklin A.B., Duke University, 1936.	Siler City, N. C.
Mooney, Robert Cleveland, Jr. A.B., Birmingham-Southern College, 1939.	Wilsonville, Ala.
Moorman, Julian Pierce, Jr. A.B., Emory and Henry College, 1939.	Bristol, Va.
Patten, Brooks A.B., University of North Carolina, 1939.	Louisburg, N. C.
Powell, John James A.B., Lenoir-Rhyne College, 1939.	Mooresville, N. C.
Rogers, James Edwin A.B., Atlantic Christian College, 1939.	Raleigh, N. C.
Scott, LeRoy Alexander A.B., Duke University, 1939.	Kannapolis, N. C.
Shannon, Charles Eugene A.B., Duke University, 1939.	Monroe, N. C.
Stevens, Wyatt Millard A.B., Elon College, 1936.	Burlington, N. C.
Stone, Joseph Lesley A.B., William and Mary College, 1939.	Williamsburg, Va.
Strickland, Thomas Edward A.B., High Point College, 1939.	High Point, N. C.
Tyte, Wilbur Henry A.B., University of Texas, 1933; A.M., University of Texas, 1939.	San Antonio, Tex.
Vaughan, Robert Akers A.B., Centenary College, 1937.	San Antonio, Tex.
Wheeler, Kermit A.B., Atlantic Christian College, 1939.	Rougemont, N. C.
Wilkinson, Howard Charles A.B., Southwestern University, 1939.	Katy, Tex.

SENIOR CLASS

Andes, William Jacob A.B., Elon College, 1935.	Harrisonburg, Va.
Arthur, Charles Ralph B.S., University of Richmond, 1938.	Richmond, Va.
Autry, John Duncan Asbury A.B., Duke University, 1929; A.M., Duke University, 1937.	Kinnekeet, N. C.
Biggers, Sherrill Bost B.Ph., Emory University, 1937.	Albemarle, N. C.
Blackburn, Linwood Earl A.B., Duke University, 1938.	Fayetteville, N. C.
Boddie, Wyatt David A.B., Centenary College, 1937.	Morgan City, La.
Boone, Sidney Grant A.B., Duke University, 1934.	Cofield, N. C.
Booth, Luther Lambuth A.B., Tulane University, 1938.	New Orleans, La.
Brabham, Angus McKay, Jr. A.B., University of South Carolina, 1937.	Orangeburg, S. C.

- Bridewell, Joseph Albert
A.B., Millsaps College, 1938.
- Brock, Edwin Lawrence
A.B., Tulane University, 1938.
- Conley, George Frederick
A.B., Wofford College, 1938.
- Cooke, Jack
A.B., Centenary College, 1938.
- Crumpton, Sidney Randolph
A.B., Wofford College, 1932.
- Dawson, Dana
A.B., Centenary College, 1938.
- Duncan, Floyd Alexander
A.B., Wofford College, 1938.
- Evans, Joseph Claude
A.B., Wofford College, 1937.
- Everett, Thomas D., Jr.
A.B., Kentucky Wesleyan College, 1938.
- Freeman, William Lawrence
A.B., Asbury College, 1937.
- Galloway, Benedict Atkins
A.B., Louisiana State University, 1938.
- Garrison, Robert Edmund
A.B., Randolph-Macon College, 1937.
- Glenn, Henry Clarence, III
A.B., Duke University, 1938.
- Gray, Alan DeLeon
A.B., Birmingham-Southern College, 1938.
- Heffner, William Frank
A.B., Wofford College, 1938.
- Hendrix, Thomas Christian
A.B., DePauw University, 1938.
- Inge, John Wesley
A.B., Lynchburg College, 1938.
- Miller, Irving Roscoe
A.B., Catawba College, 1938.
- Nesbitt, Marion Wilson
A.B., Lenoir-Rhyne College, 1938.
- Nicholson, Ralph Herman
A.B., Lenoir-Rhyne College, 1937.
- O'Neal, Ernest Elijah
B.S., University of Mississippi, 1935.
- Overton, Ernest Golden
A.B., Duke University, 1925.
- Parker, Carl Lafayette
A.B., Wofford College, 1938.
- Prentis, Edward Walker
A.B., Evansville College, 1938.
- Queen, Virgil Erwin
A.B., Catawba College, 1937.
- Rustin, Lee D.
A.B., Arizona State Teachers College, 1938.
- Shackford, Joseph Temple
A.B., Duke University, 1934.
- Simpson, Harold Ross
A.B., Catawba College, 1937.
- Columbia, Miss.
- New Orleans, La.
- Marion, N. C.
- Minden, La.
- Sumter, S. C.
- Shreveport, La.
- Lincolnton, N. C.
- Columbia, S. C.
- Fairview, Ky.
- Greensboro, N. C.
- Raleigh, N. C.
- South Franklin, Va.
- Eufaula, Ala.
- Brighton, Ala.
- Maiden, N. C.
- Georgetown, Ill.
- Forest, Va.
- Salisbury, N. C.
- Gastonia, N. C.
- Louisburg, N. C.
- Springfield, Mass.
- Fayetteville, N. C.
- Little Rock, S. C.
- Owensboro, Ky.
- Carrboro, N. C.
- Pacific Palisades, Calif.
- Clyde, N. C.
- Durham, N. C.

Stamey, Robert Henry A.B., Duke University, 1939.	Lawndale, N. C.
Taylor, Key Wesley B.R.E., Gordon College, 1936.	Walstonburg, N. C.
Teer, Harold Benton A.B., Centenary College, 1938.	Hall Summit, La.
Thompson, Walter Rowe A.B., Duke University, 1938.	Winston-Salem, N. C.
Waggoner, Brooks Milton A.B., University of Arkansas, 1938.	Stilwell, Okla.

SPECIAL STUDENT

Coble, Joseph Fillmore A.B., High Point College, 1934; S.T.B., Westminster Theological Seminary, 1937.	Burlington, N. C.
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CANDIDATES FOR THE DEGREES OF MASTER OF ARTS AND
DOCTOR OF PHILOSOPHY IN THE FIELD OF RELIGION

Babcock, Farrar Jeanne A.B., Duke University, 1940.	Elk City, Okla.
Bennett, John Boyce A.B., Wofford College, 1933; B.D., Duke University, 1936.	Durham, N. C.
Blackmore, James Herrall A.B., Wake Forest College, 1937.	Warsaw, N. C.
Coble, Joseph Fillmore A.B., High Point College, 1934; S.T.B., Westminster Theological Seminary, 1937.	Burlington, N. C.
Dillinger, George Edward B.S., Ursinus College, 1930; B.D., Central Theological Seminary, 1933.	Burlington, N. C.
DuBose, Samuel Wilds A.B., Davidson College, 1931; B.D., Union Theological Seminary, 1935.	Hillsboro, N. C.
Dunn, Jane Frances A.B., William and Mary College, 1940.	Alexandria, Va.
Eller, Meredith Freeman A.B., Boston University, 1933; S.T.B., Boston University, 1936.	Mapleville, R. I.
Holder, Ray A.B., University of Mississippi, 1935; A.M., University of Mississippi, 1936.	Lucedale, Miss.
Hubbard, Thelma A.B., Duke University, 1940.	Belmont, N. C.
Jones, Jameson Miller A.B., Southwestern University, 1936; B.D., Louisville Presbyterian Theological Seminary, 1939.	Corinth, Miss.
Lever, Oscar William A.B., Wofford College, 1925; A.M., University of South Carolina, 1939.	Blythewood, S. C.
Lindgren, Alvin James A.B., McPherson College, 1938; B.D., Garrett Biblical Institute, 1940.	Canton, Kans.
Low, Frederick Charles A.B., Franklin and Marshall College, 1937; B.D., Union Theological Seminary, 1940.	High Bridge, N. J.
Martz, Edward Everts A.B., Duke University, 1940.	Pine Grove Mills, Pa.
Neel, Samuel Regester, Jr. A.B., Emory and Henry College, 1935.	Cumberland, Md.

Noble, Mary Primrose A.B., Agnes Scott College, 1938.	Smithfield, N. C.
Queen, Virgil Erwin A.B., Catawba College, 1937.	Carrboro, N. C.
Sandmel, Samuel A.B., Missouri University, 1932.	Chapel Hill, N. C.
Tremain, Martel Arthur A.B., Davidson College, 1920; B.D., Union Theological Seminary, 1923.	Flemington, Ga.
Yelanjian, Louis Justine A.B., Birmingham-Southern College, 1937; B.D., Union Theological Seminary, 1926.	Birmingham, Ala.

STUDENTS IN THE JUNALUSKA SCHOOL OF RELIGION

Ashworth, Kathryn Clero Florida Southern College.	Greensboro, Fla.
Beadle, Winans Fletcher A.B., Asbury College, 1932.	Canton, N. C.
Bowler, Ruth Cook B.S., Florida State College, 1917.	West Palm Beach, Fla.
Bright, Edna Perry Western Carolina Teachers College.	Waynesville, N. C.
Burns, William Reece A.B., Salem College, 1935.	Lost Creek, W. Va.
Corbitt, Charles Anson A.B., Birmingham-Southern College, 1939.	Montgomery, Ala.
Dobson, Anna Lula B.C.S., Eastman College, 1908.	Dobson, N. C.
Evans, Joseph Claude A.B., Wofford College, 1937.	Columbia, S. C.
Evans, Maxilla Everett B.S., North Carolina State College, 1940.	Columbia, S. C.
Furness, Thomas Adrian A.B., Elon College, 1939.	Canton, N. C.
Livermore, Mary, Hoyland A.B., Adelphi College, 1905.	Pembroke, N. C.
Low, Frederick Charles A.B., Franklin and Marshall College, 1937; B.D., Union Theological Seminary, 1940.	Senatobia, Miss.
Medford, Mildred Western Carolina Teachers College.	Waynesville, N. C.
Price, Edgar Conrad B.S., Western Carolina Teachers College, 1938.	Clyde, N. C.
Rush, Mildred Brandon A.B., Emory and Henry College, 1938.	Abingdon, Va.
Rustin, Lee D. A.B., Arizona State Teachers College, 1938.	Pacific Palisades, Calif.
Setzer, Estelle Hyde North Carolina State College.	Dellwood, N. C.
Silverthorne, Margarette Dixie A.B., Atlantic Christian College, 1928.	Lake Landing, N. C.
Spratt, Betty Killian Presbyterian College.	Clinton, S. C.
Stokes, Agnes Mary A.B., Randolph-Macon Woman's College, 1906; A.M., New York University, 1930.	Kenbridge, Va.
Strickland, Thomas Edward A.B., High Point College, 1939.	High Point, N. C.

Thompson, Claude Holmes A.B., Asbury College, 1932.	Mitchellville, Md.
Varner, Carroll A.B., Millsaps College, 1938.	West Palm Beach, Fla.
Wallace, Anna Mary Millsaps College.	Poplarville, Miss.
Ward, Flora Mae B.S., Western Carolina Teachers College, 1936.	Lake Junaluska, N. C.
Wyman, Louvica Henrietta Western Carolina State Teachers College.	Waynesville, N. C.

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DURHAM, NORTH CAROLINA

ANNUAL BULLETINS

For GENERAL BULLETIN of Duke University, apply to *The Secretary*, Duke University, Durham, N. C.

For BULLETIN OF UNDERGRADUATE INSTRUCTION, apply to *The Secretary*, Duke University, Durham, N. C.

For BULLETIN OF THE GRADUATE SCHOOL OF ARTS AND SCIENCES, apply to *The Dean of the Graduate School*, Duke University, Durham, N. C.

For BULLETIN OF THE SCHOOL OF LAW, apply to *The Dean of the School of Law*, Duke University, Durham, N. C.

For BULLETIN OF THE SCHOOL OF MEDICINE, apply to *The Dean of the School of Medicine*, Duke University, Durham, N. C.

For BULLETIN OF THE SCHOOL OF NURSING, apply to *The Dean of the School of Nursing*, Duke University, Durham, N. C.

For BULLETIN OF THE DIVINITY SCHOOL, apply to *The Dean of the Divinity School*, Duke University, Durham, N. C.

For BULLETIN OF THE SCHOOL OF FORESTRY, apply to *The Dean of the School of Forestry*, Duke University, Durham, N. C.

For BULLETIN OF THE COLLEGE OF ENGINEERING, apply to *The Secretary*, Duke University, Durham, N. C.

For BULLETIN OF THE SUMMER SCHOOL, apply to *The Director of the Summer School*, Duke University, Durham, N. C.

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CONTENTS

	PAGE
UNIVERSITY CALENDAR	5
HISTORY	9
GOVERNMENT	14
SABBATICAL LEAVE	20
GOVERNING BODIES AND OFFICERS	21
Executive Committee of the University	21
University Trustees	21
Endowment Trustees	22
Committees of University Trustees	22
OFFICERS OF ADMINISTRATION (Business and Instruction)	23
General Administration	23
Business Administration	23
Public Relations and Alumni Affairs	24
Educational Administration	24
Instructional Staff	25
Instructional Assistants	44
University Libraries	45
University Chapel	48
Physical Education and Student Health	48
Social and Musical Activities	49
Fellows and Graduate Assistants	49
UNDERGRADUATE INSTRUCTION:	
The Colleges	56
ADMISSION TO TRINITY COLLEGE AND THE WOMAN'S COLLEGE	58
REQUIREMENTS FOR DEGREES	61
Bachelor of Arts	61
General and Special Regulations	61
Groups of Studies	63
Bachelor of Science	72
General and Special Regulations	72
Groups of Studies	73
COURSES OF INSTRUCTION	76
Botany	76
Chemistry	78
Economics and Business Administration	80
Education	83
English	86
Fine Arts	89
Forestry	90
Geology	91
German Language and Literature	91
Greek	93
Health and Physical Education	94
History	96

	PAGE
Latin and Roman Studies	99
Law Courses for Academic Students	101
Mathematics	101
Music	103
Philosophy	104
Physics	106
Political Science	108
Psychology	110
Religion	111
Romance Languages	113
Sociology	116
Zoology	117
Naval Science and Tactics	119
THE COLLEGE OF ENGINEERING	122
Admission	122
Requirements for the Degree of Bachelor of Science in Civil, Electrical, or Mechanical Engineering	125
Courses of Instruction in Engineering	129
GENERAL REGULATIONS	133
UNIVERSITY LECTURES	142
ALUMNI ORGANIZATIONS	143
FEES AND EXPENSES	145
SCHOLARSHIPS, LOANS, AND EMPLOYMENT AID	151
HONORS AND PRIZES	156
STUDENT ORGANIZATIONS AND ACTIVITIES	159
THE GRADUATE SCHOOL OF ARTS AND SCIENCES	161
Courses of Instruction	177
THE DIVINITY SCHOOL	209
THE SCHOOL OF LAW	227
THE SCHOOL OF MEDICINE	245
THE SCHOOL OF NURSING	269
THE SCHOOL OF FORESTRY	277
THE SUMMER SCHOOL, 1940	295
Duke University Summer School	305
Junaluska School of Religion	326
DEGREES AND HONORS CONFERRED (1941)	333
ROLL OF STUDENTS (1940-41)	347
Trinity College	347
The Woman's College	374
College of Engineering	389
The Graduate School of Arts and Sciences	393
The Divinity School	453
The School of Law	458
The School of Medicine	462
The School of Nursing	473
The School of Forestry	474
SUMMARY	477
GIFTS AND BEQUESTS	479
INDEX	481

UNIVERSITY CALENDAR

1941

- June 10. Tuesday, 9:00 A.M.—Registration of students for Summer School, first term.
- June 11. Wednesday, 2:00 P.M.—Instruction begins for Summer School, first term.
- July 4. Friday, Independence Day: a holiday.
- July 19-21. Saturday, Monday—Final examinations for Summer School, first term.
- July 22. Tuesday, 9:00 A.M.—Registration of students for Summer School, second term.
- July 23. Wednesday, 2:00 P.M.—Instruction begins for Summer School, second term.
- Aug. 29-30. Friday, Saturday—Final examinations for Summer School, second term.
- Sept. 11. Thursday, 9:00 A.M.—Dormitories open to Freshmen.
- Sept. 11. Thursday, 8:00 P.M.—Assembly for all entering Freshmen; Freshman Orientation Program begins.
- Sept. 16. Tuesday—Freshman instruction begins.
- Sept. 16. Tuesday—Registration and matriculation of new students with advanced standing.
- Sept. 17. Wednesday, 11:00 A.M.—Formal opening of the College; registration of matriculated students.
- Sept. 18. Thursday—Instruction for Sophomores, Juniors, and Seniors begins.
- Sept. 18-20. Thursday, 9:00 A.M.-1:00 P.M.; 2:30 P.M.-4:00 P.M.; Friday, 9:00 A.M.-1:00 P.M.; 2:30 P.M.-5:00 P.M.; Saturday, 9:00 A.M.-1:00 P.M.—Registration of graduate students.
- Nov. 20. Thursday—Thanksgiving Day: a holiday.
- Dec. 11. Thursday—Duke University Day.
- Dec. 20. Saturday, 1:00 P.M.—Christmas recess begins.

1942

- Jan. 5. Monday, 8:00 A.M.—Instruction is resumed.
- Jan. 17. Saturday—Mid-year examinations begin.
- Jan. 31. Saturday—Last day for matriculation for second semester.
- Feb. 2. Monday—Second semester begins.
- March 21. Saturday, 1:00 P.M.—Spring vacation begins.
- March 30. Monday, 8:00 A.M.—Instruction is resumed.

- April 18. Saturday—Last day for submitting orations for Wiley Gray Contest.
- April 30. Thursday—Last day for selection of courses for ensuing year.
- May 9. Saturday—Earliest date for beginning of Honors examination.
- May 22. Friday—Final examinations begin.
- June 6. Saturday—Commencement opens; Senior Class Day; meeting of the Board of Trustees.
- June 7. Sunday—President's Address to Graduating Class; Commencement Sermon.
- June 8. Monday—Commencement Address; Alumni-Alumnae Luncheon; Graduating Exercises; Lowering of the Flag by the Graduating Class.

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HISTORY

Duke University owes its existence to a charitable trust set up by James B. Duke by an Indenture dated December 11, 1924, and known as the Duke Endowment; to gifts made by him to the University in the succeeding year; and to bequests that came through his will at his death, October 10, 1925. It is built around Trinity College, which was brought to Durham and maintained there largely through the generosity of the Duke family.

Trinity College in its origins goes back to 1838. In that year the citizens of a rural community in the northwest section of Randolph County, North Carolina, established a school with Rev. Brantley York as principal. In 1839 this school was enlarged and named Union Institute. In 1841 it was incorporated by the following enactment of the Legislature of North Carolina:

*An Act to Incorporate Union Institute Academy:**

Be it enacted by the General Assembly of the State of North Carolina, and it is hereby enacted by the authority of the same, That Nathan Hunt, Joseph Mendenhall, Joseph Johnson, Lewis Leach, Jabez Leach, Martin W. Leach, and Ahi Robbins, and their successors, are hereby constituted a body corporate and politic to be known and distinguished by the name and style of the Trustees of the Union Institute Academy, and by that name shall have succession, and shall be able and capable in law to have, receive and possess, lands and tenements, goods and chattels, acquired by gift or otherwise, and use and apply the same according to the will of the donor, or dispose of the same when not forbidden by the terms of the gift. They may sue and be sued, plead and be impleaded in any Court of Justice, and shall have power to fill vacancies in their body, which may occur by death, resignation, or otherwise, establish such laws and regulations for the government of said Institution as they may deem necessary, not inconsistent with the laws of this State, and do and perform all such acts and things as are incident to, and usually exercised for, bodies politic, for the accomplishments of the object contemplated.

Ratified the 12th day of January, 1841.

In the year 1842 Braxton Craven became principal of the school. The growth and development of the school caused the Trustees to plan to put it in direct relation to the educational needs of the public schools of the State. Application was made to the Legislature of North Carolina for a new charter, and on January 28, 1851, Union Institute Academy was incorporated as Normal College by the following enactment:

*An Act to Incorporate Union Institute, in Randolph County, a Normal College:***

SECTION 1. Be it enacted by the General Assembly of the State of North Carolina, and it is hereby enacted by the authority of the same, That the present Trustees of Union Institute, to-wit: M. W. Leach, Ahi Robbins, Joseph Johnson, James Leach, and C. M. Hines; together with Rev. B. Craven, of said Institute; Hon. A. H. Sheppard, of Salem; John A. Gilmer, Esq., of Greensboro; Col. Samuel Hargrave, of Lexington; J. L. Blackmer, Esq., of Salisbury; Rev. S. A. Andrews, of Greensboro; Dr. S. G. Coffin, of Jamestown; H. B. Elliott, Esq., of Randolph; J. W. Thomas, Esq., of Davidson; John B. Troy, of Randolph; J. P. H. Russ, of Randolph; Eli Russell, of Montgomery, and Gen. J. M. Leach, of Lexington; and their successors be, and they are hereby declared, a body politic and corporate, to be known and distinguished by the name and style of the Normal College, and by that name shall have a perpetual succession, and a common seal, and be able and capable in law, of holding lands, tenements and chattels, sufficient for the uses and purposes of said College, and of suing and being sued, and of pleading and being impleaded.

SEC. 2. Be it further enacted, That said Trustees shall have the power to fix the time of holding the annual and other meetings, and to prescribe the manner in which vacancies in their body may be filled, five Trustees being a quorum to do business.

* Laws of North Carolina, 1840-1843.

** Laws of 1850-1851, chapter 20, page 56.

SEC. 3. Be it further enacted, That the said College shall be under the supervision, management and government of a President and such other persons as said Trustees may appoint; the said President, with the advice of the other persons so appointed, shall from time to time make all needful rules and regulations for the internal government of said College, and fix the number and compensations of teachers to be employed therein, to prescribe the preliminary examinations and the terms and conditions on which pupils shall be received and instructed, and the number of pupils to be received from the respective counties.

SEC. 4. Be it further enacted, That said Trustees shall have power to make such rules, regulations and bylaws, not inconsistent with the Constitution of the United States and of this State as may be necessary for the good government of said College, and the management of the property and funds of the same.

SEC. 5. Be it further enacted, That when any pupil shall have sustained a satisfactory examination on the studies, or course of studies, prescribed by the Faculty and Trustees of said College, such person shall be deemed qualified to teach common schools and may receive a certificate, signed by the President and at least seven Trustees, which certificate shall be sufficient evidence of ability to teach in any of the common schools in this State, without any reexamination of the county committees; and where county certificates are now required before paying out the public funds, the certificate of the Normal College shall answer in lieu thereof.

SEC. 6. Be it further enacted, That the whole College course shall be divided into four classes or degrees, styled first, second, third and fourth, and students shall be ranked accordingly.

SEC. 7. Be it further enacted, That all pupils entering said College shall first sign a declaration, in a book to be kept by the President for that purpose as follows: "We, the subscribers, hereby declare that it is our intention to devote ourselves to the business of teaching common schools in the State of North Carolina, and that our sole object in resorting to this Normal College is the better to prepare ourselves for that important duty," which declaration it shall be the duty of the President to explain to the pupils before they sign the same.

Ratified 28th January, 1851.

On November 21, 1852, the Legislature ratified amendments to the charter of 1851 including changes and additions as follows:

*An Act to Amend an Act, Entitled "An Act to Incorporate Union Institute, in Randolph County, Normal College":**

SECTION 1. Be it enacted by the General Assembly of the State of North Carolina, and it is hereby enacted by the authority of the same, That J. C. Dobbin, John A. Gilmer, W. H. Washington, A. H. Sheppard, H. B. Elliott, J. M. Leach, Joseph Johnson, S. G. Coffin, A. S. Andrews, Joseph B. Cherry, N. W. Woodfin, B. Craven, James Leach, Calvin Graves, Ahi Robbins, John B. Troy, Robert Strange, John W. Thomas, Samuel Hargrave, J. P. H. Russ, M. W. Leach, W. L. Steele, R. M. Saunders, W. B. Lane, G. W. Caldwell, C. H. Wiley, Jabez Leach, John A. Lillington, J. T. Morehead, Thales McDonald, R. C. Puryear, S. P. Hill, Alexander Gray, James M. Garrett, and Edward Ogburn and their successors be, and they are hereby declared, a body politic and corporate to be known and distinguished by the name and style of "The Trustees of Normal College," and by that name and style shall have a perpetual succession and a common seal, and be able and capable in law of holding lands, tenements and chattels for the uses and purposes of said College; and of suing and being sued, and of pleading and being impleaded.

SEC. 2. Be it further enacted, That the Governor of the State shall be *ex-officio* President of the Board of Trustees, and that the common school superintendent, should such an officer exist, shall be *ex-officio* Secretary of the Board, and that all vacancies in the Board shall be filled by a majority of the Trustees of said College.

SEC. 3. Be it further enacted, That the Trustees shall have power of appointing an Executive Committee, to consist of seven members, which committee shall control the internal regulations of said College, and fix all salaries and emoluments, and of doing all other things necessary for an institution of learning not inconsistent with the laws of this State and of the United States.

SEC. 4. . . . They shall also have the power to grant such degrees and marks of honor as are given by Colleges and Universities generally.

SEC. 5. Be it further enacted, That the Secretary of the Board of Trustees shall, within ten days after the meeting of each [Legislature] make a full report of the condition and operations of said Normal College, and the general character of Normal instruction; also, the condition and progress of Normal schools generally, together with all other information deemed important in the education of teachers, giving also the names and residences of all who have been authorized to teach.

SEC. 6. Be it further enacted, That the President and Directors of the literary fund are hereby directed to loan to the Trustees of Normal College, the sum of ten thousand dollars out of any moneys not otherwise appropriated, at six per cent interest, to be paid semiannually, upon said Trustees giving bond and good security for the same.

*Laws of 1852-1853, chapter 88, page 161.

Under the amended charter authorizing the institution to confer degrees, two students were graduated on July 28, 1853, with the degree of Bachelor of Arts.

In the year 1853-1854 a larger building was erected by means of money lent by the State of North Carolina under the authority granted in the amended charter. In November, 1856, the Trustees of Normal College authorized President Craven to propose to the North Carolina Conference of the Methodist Episcopal Church, South, that the institution be placed under the ownership and control of that body. The Conference passed the following resolution:

1. That the Conference authorize and request the Board of Trustees of Normal College to raise by donations twenty thousand dollars.
2. That all lands and property belonging to the College be conveyed to the Board of Trustees in trust for the North Carolina Conference.
3. That the Conference fill all vacancies in the Board.
4. That the Conference appoint a visiting committee, which committee shall have equal power with the Board as to the internal regulations and operations of the College.

Within the following two years the Trustees arranged to meet all the conditions stipulated. The North Carolina Conference of the Methodist Episcopal Church, South, in consequence, became invested with the complete ownership and control of the College.

On February 16, 1859, the charter was amended and the name of the institution changed to Trinity College by the following enactment of the Legislature of North Carolina:

*An Act to Amend the Charter of Normal College:**

SECTION 1. Be it enacted by the General Assembly of the State of North Carolina, and it is hereby enacted by the authority of the same, That the corporation established by an act passed in 1852, and known by the style and title of the "Trustees of Normal College," be and the same is hereby changed to Trinity College; and said corporation shall henceforth, by the name and style of Trinity College, hold and use all the authority, privileges, possessions and liabilities it had under the former title and name.

SEC. 2. Be it further enacted, That the estate, real and personal, received and controlled by the Trustees of Trinity College, shall be for the uses and purposes of a literary institution for the North Carolina Conference of the Methodist Episcopal Church, South.

SEC. 3. Be it further enacted, That all vacancies in the Board of Trustees shall be filled by said North Carolina Conference: *Provided, however,* That no person shall be elected a Trustee till he has first been recommended by a majority of the Trustees present at a regular meeting; and the Trustees shall have power to remove any member of their body who may remove beyond the boundaries of the State, or who may refuse or neglect to discharge the duties of a Trustee.

SEC. 4. Be it further enacted, That the Faculty and Trustees shall have the power of conferring such degrees and marks of honor as are conferred by colleges and universities generally; and that five Trustees shall be a quorum to transact business.

SEC. 5. Be it further enacted, That no person shall keep, maintain, or have at Trinity College, or within two miles thereof, any tippling-house establishment, or place for the sale of wine, cordials, spirituous or malt liquors; nor shall any person in the State, without a written permission from the Faculty, sell, or offer to sell, give or deliver to any student of Trinity College, or to any other person, any wine, cordials, spirituous or malt liquors for the purpose of being used or with a knowledge that the same will be used at said College, or within two miles thereof, by any student.

SEC. 6. Be it further enacted, That no person shall set up, keep or maintain at Trinity College, (or) within two miles thereof, any public billiard table, or other table, of any kind at which games of chance or skill, by whatever name called, may be played; and that no person, without written permission from the Faculty, shall within the same limits exhibit any theatrical, sleight-of-hand, natural or artificial curiosities, or any concert, serenade, or performance in music, singing or dancing.

SEC. 7. Be it further enacted, That sections second, fourth and fifth of the charter passed in 1852, are hereby repealed, and that all acts and laws coming within the meaning and purview of this present act are hereby repealed.

During the Civil War the College shared the common fate of Southern colleges. President Craven resigned in 1863, and Professor William T. Ganaway was elected his successor. In October, 1865, Dr. Craven was re-elected to the presidency; however, the work of the College, which had been suspended in April of that year, was not resumed till January, 1866. Dr. Craven

* Laws of 1858-1859, chapter 85, page 81.

remained president of the College till his death, November 7, 1882. Professor William Howell Pegram was then elected chairman of the Faculty. He served till the close of the academic year, June, 1883.

The Reverend Marquis L. Wood was elected president in 1883; he resigned in December, 1884, when Professor John F. Heitman was elected chairman of the Faculty. John Franklin Crowell was chosen president of the College in April, 1887.

President Crowell conceived the idea of enlarging the scope of college work and of removing Trinity College to a city. The Board of Trustees on May 7, 1889, passed the following resolutions:

Resolved (1). That after mature and prayerful consideration, we believe it best for the interest of Methodism in North Carolina, and the cause of God, to move Trinity College to some prominent center within this State: *Provided*, There shall be tendered to this Board a proper guarantee of a suitable site, with buildings on it, of at least equal value, and as well suited for the uses of the College as those on the present site.

Resolved (2). That a committee of five be appointed to carry out the true intent of the above resolution, and report to the next annual meeting of the Board of Trustees.

At a meeting of the Trustees held in Greensboro, N. C., November 30, 1889, the following resolutions were adopted:

Resolved (1). That the Board of Trustees of Trinity College accept the offer of the citizens of Raleigh to erect a college building on the site designated, said building to be according to the plans and specifications mentioned in their offer.

Resolved (2). That we recommend the N. C. Annual Conference of the M. E. Church, South, to authorize the removal of Trinity College in accordance with the above and former resolutions passed by this Board.

Resolved (3). That the grounds and buildings now owned and used at Trinity College be held by the same Board of Trustees to be used as an academical department to prepare students for the college classes.

In accordance with these resolutions, through President Crowell, the Conference was asked at its session in Greensboro, December, 1889, to grant permission to remove the College to the City of Raleigh. The Conference took the following action:

Resolved, That the Board of Trustees of Trinity College be and is hereby authorized and directed to move Trinity College to the City of Raleigh, when the citizens of said city shall have erected on the site designated and known as the Boylan lot, the building proposed and agreed to be built by them *Provided*, That before said college is moved, as aforesaid, there shall be made, executed and delivered to said Trustees a good and sufficient deed in fee simple with proper covenants of warranty and seizin, conveying the lot and site designated to said Trustees and their successors in office, for the use and benefit of the North Carolina Conference, Methodist Episcopal Church, South, as it now exists, and for the use and the benefit of such Conferences, as may be hereafter created by the Methodist Episcopal Church, South, out of any territory within the State of North Carolina.

Some time after this action of the Conference, Mr. Washington Duke and other citizens of Durham, N. C., made a proposition to the Trustees to locate the College in Durham, and this proposition was accepted. On January 21, 1891, the Legislature of North Carolina issued the following charter:

An Act to Amend the Charter of Trinity College:

The General Assembly of North Carolina do enact:

SECTION 1. That the Trustees of Trinity College are authorized and empowered to remove the operations and exercises of said College, and to locate the buildings deemed necessary by them for the purpose of the College, at or near the town of Durham, North Carolina. They may, if they so elect, establish and maintain in connection with said College institutions of primary and intermediate education at the present site of the College in Randolph County, and at such other points as they may now or hereafter determine, for the purpose of preparing students for admission to a collegiate course. The management of such auxiliary and subordinate high schools and academies shall be vested in the said Board of Trustees, who are authorized to make by-laws and regulations for them, as well as for the College proper.

Sec. 2. That the Trustees of Trinity College are authorized to receive and hold by gift, devise or purchase, property, real and personal, to be held for the use of said College and its dependent schools or for the use of either or both (as may be designated in the conveyance or will), (to a value not exceeding in the aggregate sum three millions of dollars).

SEC. 3. That the Trustees shall be thirty-six in number, of whom twelve shall be elected by the North Carolina Conference of M. E. Church, South, twelve by the W. N. C. Conference of said church, and twelve by graduates of said College. The term of office of Trustees shall be six years, and they shall be so arranged that four Trustees shall be elected by each Conference and four by the graduates every two years. The Trustees shall regulate by by-laws the manner of election of the Trustees to be chosen by the graduates. Should there exist a vacancy by death, resignation, or otherwise, of any Trustee, the same shall be filled for the unexpired term by the Board of Trustees. The terms of the Trustees now in office shall expire January first, one thousand eight hundred and ninety-two. At the first election held under this amendment to the Charter, the body of graduates and each of the Conferences shall respectively elect four Trustees for the term of two years; in like manner each of said constituencies shall elect four Trustees for the term of four years, and in like manner each shall elect four Trustees for the term of six years.

In September, 1892, the College opened its first session in the new plant located at Durham. In May, 1894, President Crowell resigned, and on August 1, 1894, the Reverend John C. Kilgo was elected his successor. In May, 1897, the Trustees authorized the admission of women as students to all departments of the College.

On account of the fact that the fundamental laws under which the College was managed were contained in an original charter and in several amendments, it was deemed best by the Board of Trustees, in June, 1902, to appoint a committee to make an application to the Legislature for a new charter, which should unify and harmonize the provisions of the existing legislation. On February 28, 1903, the Legislature of North Carolina granted the new charter which is identical with the charter as found on pages 17-18, except that the corporate name of the institution is changed to Duke University and the corporation is given perpetual existence, an amendment enacted by the General Assembly of North Carolina, January 19, 1911, having already stricken out the limitations set in former charters to the amount of property the College might hold.

Having been elected a bishop of the Methodist Episcopal Church, South, President Kilgo resigned in June, 1910. William Preston Few was elected to succeed him and was formally inaugurated November 9, 1910.

On December 29, 1924, the Board of Trustees of Trinity College met to consider the Indenture of Trust executed by Mr. James B. Duke, December 11, 1924. The Board voted unanimously to accept the provisions of the Indenture in so far as it affected Duke University, and authorized the necessary steps to be taken whereby, on December 30, 1924, a charter for the University was granted. The charter follows closely that of Trinity College and is printed on pp. 15-16.

President Few died October 16, 1940. Dr. R. L. Flowers was elected President January 29, 1941.

Duke University is approved by the recognized accrediting agencies in the field of university education and is a member of various associations devoted to the interests of such education. Among those in which it holds membership are the Association of American Universities, the Southern Association of Colleges and Secondary Schools, the American Association of Colleges, the Southern University Conference, the American Association of Law Schools, the Association of American Medical Colleges, the American Association of Theological Schools, and others.

GOVERNMENT

1. THE INDENTURE OF TRUST BY WHICH THE UNIVERSITY WAS CREATED

Among the provisions of Mr. Duke's indenture of trust was an educational institution to be known as Duke University, in respect to which the Indenture contains the following provisions, and these provisions apply also to gifts made by Mr. Duke the year before he died and to bequests that came to the University at his death or that have come since:

I. (In Article FOURTH) The Trustees hereunder are hereby authorized and directed to expend as soon as reasonably may be not exceeding Six Million Dollars of the corpus of this trust in establishing at a location to be selected by them within the State of North Carolina an institution of learning to be known as Duke University, for such purpose to acquire such lands and erect and equip thereon such buildings according to such plans as the Trustees may in their judgment deem necessary and adopt and approve for the purpose, to cause to be formed under the laws of such state as the Trustees may select for the purpose a corporation adequately empowered to own and operate such properties under the name of Duke University as an institution of learning according to the true intent hereof, and to convey to such corporation when formed the said lands, buildings and equipment upon such terms and conditions as that such corporation may use the same only for such purposes of such university and upon the same ceasing to be so used then the same shall forthwith revert and belong to the Trustees of this trust as and become a part of the corpus of this trust for all of the purposes thereof.

However, should the name of Trinity College, located at Durham, North Carolina, a body politic and incorporate, within three months from the date hereof (or such further time as the Trustees hereof may allow) be changed to Duke University, then, in lieu of the foregoing provisions of this division "FOURTH" of this Indenture, as a memorial to his father, Washington Duke, who spent his life in Durham and whose gifts, together with those of Benjamin N. Duke, the brother of the party of the first part, and of other members of the Duke family, have so largely contributed toward making possible Trinity College at that place, he directs that the Trustees shall expend of the corpus of this trust as soon as reasonably may be a sum not exceeding Six Million Dollars in expanding and extending said University, acquiring and improving such lands, and erecting, removing, remodeling and equipping such buildings, according to such plans, as the Trustees may adopt and approve for such purpose to the end that said Duke University may eventually include Trinity College as its undergraduate department for men, a School of Religious Training, a School for Training Teachers, a School of Chemistry, a Law School, a Co-ordinate College for Women, a School of Business Administration, a Graduate School of Arts and Sciences, a Medical School and an Engineering School, as and when funds are available.

II. (In Article FIFTH) Thirty-two per cent of said net amount not retained as aforesaid for addition to the corpus of this trust shall be paid to that Duke University for which expenditures of the corpus of the trust shall have been made by the Trustees under the "Fourth" division of this Indenture so long as its name shall be Duke University and it shall not be operated for private gain, to be utilized by its Board of Trustees in defraying its administration and operating expenses, increasing and improving its facil-

ities and equipment, the erection and enlargement of buildings and the acquisition of additional acreage for it, adding to its endowment or in such other manner for it as the Board of Trustees of said institution may from time to time deem to be of its best interests, provided that in case such institution shall incur any expense or liability beyond provision already in sight to meet same, or in the judgment of the Trustees under this Indenture be not operated in a manner calculated to achieve the results intended hereby the Trustees under this Indenture may withhold the whole or any part of such percentage from said institution so long as such character of expense or liabilities or operation shall continue, such amounts so withheld to be in whole or in part either accumulated and applied to the purposes of such University in any future year or years, or utilized for the other objects of this Indenture, or added to the corpus of this trust for the purpose of increasing the principal of the trust estate, as the Trustees may determine.

III. (In Article SEVENTH) I have selected Duke University as one of the principal objects of this trust because I recognize that education, when conducted along sane and practical, as opposed to dogmatic and theoretical lines, is next to religion, the greatest civilizing influence. I request that this institution secure for its officers, trustees, and faculty, men of such outstanding character, ability, and vision as will insure its attaining and maintaining a place of real leadership in the educational world, and that great care and discrimination be exercised in admitting as students only those whose previous record shows a character, determination, and application evincing a wholesome and real ambition for life. And I advise that the courses at this institution be arranged, first, with special reference to the training of preachers, teachers, lawyers and physicians, because these are most in the public eye, and by precept and example can do most to uplift mankind, and second, to instruction in chemistry, economics and history, especially the lives of the great of earth, because I believe that such subjects will most help to develop our resources, increase our wisdom and promote human happiness.

IV. (In Article THIRD) As respects any year or years and any purpose or purposes for which this trust is created (except the payments hereinafter directed to be made to Duke University) the Trustees in their uncontrolled discretion may withhold the whole or any part of said incomes, revenues and profits which would otherwise be distributed under the "Fifth" division hereof, and either (1) accumulate the whole or any part of the amount so withheld for expenditures (which the Trustees are hereby authorized to make thereof) for the same purpose in any future year or years, or (2) add the whole or any part of the amounts so withheld to the corpus of the trust, or (3) pay, apply and distribute the whole or any part of said amounts to and for the benefit of any one or more of the other purposes of this trust, or (4) pay, apply and distribute the whole or any part of said amounts to or for the benefit of any such like charitable, religious or educational purpose within the State of North Carolina or the State of South Carolina, or any such like charitable hospital purpose which shall be selected therefor by the affirmative vote of three-fourths of the then Trustees at any meeting of the Trustees called for the purpose, complete authority and discretion in and for such selection and utilization being hereby given the Trustees in the premises.

2. THE CHARTER OF THE UNIVERSITY

SECTION 1. That A. P. Tyer, J. H. Southgate, B. N. Duke, G. A. Oglesby, V. Ballard, J. A. Long, J. F. Bruton, J. N. Cole, F. A. Bishop, J. G. Brown, C. W. Toms, J. W. Alspaugh, W. R. Odell, J. A. Gray, F. Stikeleather, Kope Elias, S. B. Turrentine, P. H. Hanes, T. F. Marr, G. W. Flowers, M. A. Smith, R. H. Parker, W. J. Montgomery, F. M. Simmons, O. W. Carr, R. A. Mayer, N. M. Journey, Dred Peacock, B. B. Nicholson, W. G. Bradshaw,

E. T. White, T. N. Ivey, J. B. Hurley, R. L. Durham, W. C. Wilson, and their associates and successors shall be, and continue as they have been, a body politic and corporate under the name and style of DUKE UNIVERSITY, and under such name and style shall have perpetual existence and are hereby invested with all the property and rights of property which now belong to the said corporation, and said corporation shall henceforth and perpetually, by the name and style of DUKE UNIVERSITY, hold and use all the authority, privileges, and possessions it had or exercised under any former title and name, and be subject to all recognized legal liabilities and obligations now outstanding against said corporation.

SEC. 2. That such corporation is authorized to receive and hold by gift, devise, purchase or otherwise, property, real and personal, to be held for the use of said University and its dependent schools or for the use of either or both (as may be designated in the conveyance or will).

SEC. 3. That the Trustees shall be thirty-six in number, of whom twelve shall be elected by the North Carolina Conference of the M. E. Church, South; twelve by the W. N. C. Conference of the said church; and twelve by the graduates of said University; *Provided, however*, That no person shall be elected a Trustee till he has first been recommended by a majority of the Trustees present at a regular meeting; and the Trustees shall have power to remove any member of their body who may remove beyond the boundary of the State or who may refuse or neglect to discharge the duties of a Trustee. The term of office of Trustees shall be six years, and they shall be so arranged that four Trustees shall be elected by each Conference and four by the graduates every two years. The Trustees shall regulate by bylaws the manner of election of the Trustees to be chosen by the graduates. Should there exist a vacancy by death, resignation, or otherwise of any Trustee, the same shall be filled for the unexpired term by the Board of Trustees. That the present Trustees shall continue and remain in office during the term for which they have been heretofore respectively elected.

SEC. 4. That the said corporation shall be under the supervision, management and government of a president and such other persons as said Trustees may appoint; the said president, with the advice of the other persons so appointed, shall from time to time make all needful rules and regulations for the internal government of said University and prescribe the preliminary examinations and the terms and conditions on which pupils shall be received and instructed.

SEC. 5. That said Trustees shall have power to make such rules, regulations, and bylaws not inconsistent with the Constitution of the United States and of this State, as may be necessary for the good government of said University and the management of the property and funds of the same.

SEC. 6. That the Trustees shall have power to fix the time of holding their annual and other meetings, to elect a president and professors for said University, to appoint an executive committee to consist of seven members, which committee shall control the internal regulations of said University and fix all salaries and emoluments, and to do all other things necessary for an institution of learning not inconsistent with the laws of this State and of the United States.

SEC. 7. That the Faculty and Trustees shall have the power of conferring such degrees and marks of honor as are conferred by colleges and universities generally; and that five Trustees shall be a quorum to transact business.

SEC. 8. That all laws and parts of laws or of the charter heretofore granted which are in conflict with this act are hereby repealed.

SEC. 9. That this act shall be in force from and after its ratification and acceptance by the Board of Trustees.

3. THE BYLAWS OF THE UNIVERSITY

1. **AIMS OF THE UNIVERSITY.** The aims of Duke University are to assert a faith in the eternal union of knowledge and religion set forth in the teachings and character of Jesus Christ, the son of God; to advance learning in all lines of truth; to defend scholarship against all false notions and ideals; to develop a Christian love of freedom and truth; to promote a sincere spirit of tolerance; to discourage all partisan and sectarian strife; and to render the largest permanent service to the individual, the state, the nation, and the church. Unto these ends shall the affairs of this University always be administered.

2. **THE UNIVERSITY TRUSTEES.** The Alumni Trustees, nominated by the Board as provided for in the charter, are elected by the Alumni Association. The officers of the Board are chairman, vice-chairman, and recording secretary. The chairman calls to order and presides at all meetings of the Board, calls extraordinary meetings when, in his judgment, such meetings may be necessary, and represents the Trustees at public meetings of the University. He is ex-officio member of the Executive Committee. In the absence of the chairman the vice-chairman calls to order and presides over meetings of the Board, but does not perform any of the other duties of the chairman unless ordered to do so by the Board of the Executive Committee. The recording secretary records the minutes of all the meetings, does the correspondence, and is the custodian of the records and other documents that may belong to the Board.

3. **THE EXECUTIVE COMMITTEE.** The Executive Committee consists of seven members, three of them from the University Trustees, including the chairman ex-officio, three from the Endowment Trustees, and the President of the University ex-officio. It performs the duties set out for it in the charter—namely, controls the internal regulations of the University and fixes all salaries and emoluments. The Committee is furthermore authorized to appoint officers and teachers of the University subject to the approval of the University Trustees. The Committee is elected by the University Trustees, three of them on nomination of the Endowment Trustees, and the Committee elects its own officers. It meets once a month and oftener when necessary. The Committee through its chairman makes annually a report to the University Trustees.

4. **OFFICERS OF THE UNIVERSITY.** The officers of the University are a president, three vice-presidents, a treasurer, a dean of the University, and such other deans as may be needed, a recording dean or registrar, and a secretary who is also secretary of the faculty. Whenever it may seem wise more than one of these offices may be held by one man.

President. The President of the University calls, and presides at, all the meetings of the Faculties, sees that the laws and regulations of the Executive Committee and the Trustees affecting the administration and work of the University are carried out, appoints all committees of the Faculties and has direction of the discipline and work of the University. He has the authority to veto any action of the Faculties, when, in his judgment, such action is not in harmony with the aims and laws of the University, or when he may deem such action as unwise. However, in every instance he shall submit to the Faculty in writing his reasons for setting aside their action, and the secretary of the Faculty shall record his reasons in the record book of the Faculty. The President makes an annual report to the Board of the work, conditions, and needs of the University, and of other matters that may be of concern to it or to the cause of higher education. He nominates all members of the Faculties, and represents them at all public meetings of the University. He is an ex-officio member of the Executive Committee; and acts as the medium of communication between the University Trustees and the Endowment Trustees.

Vice-Presidents. The three Vice-Presidents of the University have supervision of the work of the University in the divisions of (a) business, (b) education, and (c) student life. In the absence of the President, Vice-Presidents in the order of official seniority may perform such duties of the President as may demand immediate attention.

Treasurer. The Vice-President in the Business Division and Treasurer has the custody of all the property of the University; that is, he has the primary responsibility for all collections and disbursements, for all securities and financial records, and for the care of the entire physical plant. He is required to make monthly reports to the Executive Committee and annual reports to the Trustees concerning his accounts and the property in his charge. It shall be the duty of the Treasurer to nominate to the Executive Committee an assistant treasurer and other assistants in sufficient number to do well the duties of his office. All officers entrusted with property belonging to the University are required to keep records of the same and these records are at all times subject to the inspection of the Treasurer. The Treasurer and his assistants shall be required to give bond, joint or several, in an amount not less than \$50,000 for the faithful performance of their duties.

5. *FACULTIES.* The General Faculty of the University is composed of professors, associate professors, and assistant professors who have been elected to membership in the Faculty. Concerning questions that do not lie exclusively in the field of any one Faculty and questions of University educational policy this Faculty has the right to enact such regulations as it may deem necessary to carry on the instruction, advance the standard of work, and otherwise develop the scholarly aims of the University. The General Faculty recommends to the University Trustees such persons as it deems fit to receive academic degrees or other marks of academic distinction. This Faculty meets twice a year and at other times on the call of the President or Dean of the University, or on the written request of five members.

The professional schools have their own faculties, each with its dean and other appropriate officers elected by the Executive Committee with the approval of the University Trustees, and each is authorized to perform any educational functions that lie in its field.

The Faculty Council includes the Deans and Assistant Deans of Trinity College and the Woman's College, the Dean of the Graduate School, the Secretary of the General Faculty, the Chairman and Director of Undergraduate Studies in each department offering instruction in the undergraduate colleges of liberal arts and sciences, one additional member elected by each department that has five or more teachers giving instruction in arts and sciences, and such others as may be appointed to membership in the Council by the governing bodies of the University. The Council meets once a month and considers questions of curriculum in the field of arts and sciences and other educational details and policies that are outside the functions of any one faculty.

The Council on Undergraduate Teaching consists of the Deans and Assistant Deans of Trinity College, the Woman's College, the College of Engineering, some other officers and appointed members, and teachers of all ranks who are giving fifty per cent or more of their time to the instruction of undergraduates. Courses to which both Seniors and graduates are admitted are understood as intended primarily for graduate students. The business of this Council is to stimulate good teaching and to find ways and means to make college teaching as effective as possible. It has the right to take such actions as may be necessary to promote these ends.

The Council on the Instruction of Freshmen is composed of the Dean of Undergraduate Instruction, the Dean of Freshmen, and the Supervisor of Freshmen Instruction from each department offering courses for Freshmen. It considers policies and matters of detail as affecting Freshman instruction and also provision for the general welfare of Freshmen. The Freshman Council makes recommendations to the Faculty Council for action in matters

of general policy. The Freshman Council has the power to call upon members of the Faculty for reports or other information pertaining to the instruction of Freshmen at such dates as it may determine.

The Council on Education for Women consists of the Dean of Women and of one representative from each department offering courses which are largely taken by women students. It shall consider matters of interest and policy relating to the instruction and general welfare of the women students of the University, and make recommendations to the President, or the Faculty Council. The members of the Council on Education for Women are appointed by the President of the University.

The Council on Engineering Instruction consists of the Dean of the College of Engineering, the Secretary of the College, the Dean of the University, the Chairmen of the several departments in engineering, one representative to be appointed by the President of the University from each of the Departments of Mathematics, Physics, Chemistry, Economics, English. The Council deals with questions relating to instruction in engineering, the welfare of engineering students, and the cause of engineering in general. The Executive Committee consists of the Dean and the Secretary of the College of Engineering, and the Chairmen of the Departments of Civil, Electrical and Mechanical Engineering.

The Council on Graduate Instruction consists of members of the Faculty above and including the ranks of associate professor who give at least half of their time to graduate work under the direction of the Graduate School, and others who may be appointed by the Governing Bodies of the University. One member is appointed from each of the professional schools which give courses for graduate credit, and in some cases more than one. The Council has to do with whatever pertains to instruction and requirements for degrees in the Graduate School of Arts and Sciences.

The Executive Committee of the Council on Graduate Instruction consists of the Dean and six members appointed by the President upon the recommendation of the Dean. Blanks are distributed once a year to each member of the Council with the request that six names be entered on the blank as his suggestions for members of the Committee. It is understood that the Dean is to take these suggestions into account in his recommendations to the President. In so far as possible the Humanities, Biological and Physical Sciences, Social Sciences, and other fields are to be represented on the Executive Committee. No more than four of the six committee members are to be reappointed for any ensuing year.

6. **ACADEMIC YEAR.** The academic year begins on the morning of the Wednesday following September 15. The annual Commencement comes in the week including the first Sunday in June. The Christmas recess begins at 1:00 P.M. December 20 (or December 19 if December 20 falls on Sunday), and ends at 8:00 A.M., January 3 (or January 4 if January 3 falls on Sunday). The spring recess begins at 1:00 P. M. of the Saturday in March nearest to March 25, and ends at 8:00 A.M., of Monday nine days later. Thanksgiving Day is a holiday.

7. **TENURE OF OFFICE.** Teachers of all ranks are subject to removal by the Executive Committee, with the approval of the University Trustees, for misconduct or neglect of duty. Teachers may be elected for terms of one, two, three, or four years; or teachers with the rank of professor may be elected without time-limit. Administrative officers are usually elected without time-limit, but the Executive Committee, with the approval of the University Trustees, may remove any officer of the University whenever, in their opinion, he is not properly performing the duties of his office.

8. The bylaws may be amended at any regular meeting of the University Trustees by the affirmative vote of two thirds of the full membership of the Board, provided that the proposed amendment is submitted through the Secretary of the Board to the members at least twenty days before the meeting.

SABBATICAL LEAVE

Sabbatical leave of absence for members of the General Faculty is granted under regulations adopted by the Executive Committee of the Trustees on March 28, 1923, revised in 1928, partly in abeyance in the year 1933-34 and the succeeding three years, and restored in the year 1937-38. The conditions on which sabbatical leave of absence is granted are set forth below.

1. Every member of the General Faculty (composed of professors, associate professors, and assistant professors) is eligible for sabbatical leave after six years in the service of the University. Such leave may be taken for a full year at half salary or a half year at full salary.

2. In order to obtain a sabbatical leave written request for such leave must be filed with the President of the University by December 1 of the academic year preceding the one in which the leave is to take effect.

3. If in exceptional cases it should develop that the granting of leave to an applicant during the year for which application is made would raise very serious difficulties detrimental to the best interests of the applicant's department or school, or the interests of the institution as a whole; or because of questions concerning the applicant's period of service prior to the leave, the President shall appoint a committee which, shall have power to decide the question of granting the sabbatical leave for the particular year under consideration. This committee shall consist of five members as follows: two members of the general faculty appointed yearly by the President, the Treasurer of the University, the Dean of the school or college of which the applicant is a member, the chairman of the applicant's department, or should no such chairman exist another member of the applicant's department.

4. If this committee should decide against the granting of a sabbatical leave for the year for which the applicant applied, the applicant would be eligible for sabbatical leave the following year or any year thereafter upon making application in due form as above.

5. After September 1, 1928, if a member of the faculty on becoming eligible for sabbatical leave does not for some special reason apply for such leave, he may count the additional years of service prior to his leave toward the six years of service necessary before he can apply for a subsequent leave. If in an exceptional case an applicant for personal reasons applies for a sabbatical leave to be effective in advance of his regular year and such leave is granted, he shall not be eligible for a subsequent leave until he has served six years plus the number of years by which this leave is advanced.

6. On recommendation of the committee after leave of absence has been granted it may be postponed for urgent reasons and under conditions to be determined by the committee.

7. All those cases which have occurred in the past or which may occur in the future in which leave of absence is granted under conditions where the absentee receives full pay for a half year or half pay or more for a full year's leave of absence shall be considered as regular sabbatical leave under these regulations.

8. These revised regulations became effective as of September 1, 1928, and sabbatical leaves under such regulations began with the academic year 1929-30. The regulations were partly in abeyance in 1933-34, 1934-35, 1935-36, and 1936-37. The restoration of the regulations begins with the academic year 1937-38. The four years, 1933-34, 1934-35, 1935-36, and 1936-37, may not count toward the six years of service necessary before application can be made for leave of absence. In all cases in which special arrangements have been made for the granting of sabbatical leave (as described in condition No. 7) during the period of partial abeyance of the plan, the next six years of service shall be counted as beginning with the academic year 1937-38. All other members of the General Faculty who apply for sabbatical leave may count the years of service they had to their credit at the beginning of the academic year 1933-34.

GOVERNING BODIES AND OFFICERS

EXECUTIVE COMMITTEE OF THE UNIVERSITY

(Consisting of three members from the University Trustees, three from the Endowment Trustees, and the President of the University.)

	Year of Election		
J. F. BRUTON, Chairman.....	1918.....	Wilson,	N. C.
G. G. ALLEN.....	1923.....	New York,	N. Y.
*W. P. FEW.....	1910.....	Durham,	N. C.
M. E. NEWSOM.....	1917.....	Durham,	N. C.
W. N. REYNOLDS.....	1933.....	Winston-Salem,	N. C.
J. H. SEPARK.....	1929.....	Gastonia,	N. C.
W. R. PERKINS.....	1937.....	New York,	N. Y.
R. L. FLOWERS.....	1923.....	Durham,	N. C.

UNIVERSITY TRUSTEES

Term Expires December 31, 1943

G. G. ALLEN.....	1923.....	New York,	N. Y.
J. H. BARNHARDT.....	1918.....	Raleigh,	N. C.
JAMES A. BELL, Vice-Chairman.....	1920.....	Charlotte,	N. C.
R. G. CHERRY.....	1934.....	Gastonia,	N. C.
R. L. FLOWERS.....	1927.....	Durham,	N. C.
J. P. FRIZZELLE.....	1937.....	Snow Hill,	N. C.
THOMAS M. GRANT.....	1933.....	Greenville,	N. C.
J. K. SMITH.....	1934.....	Mount Airy,	N. C.

FROM THE ALUMNI

B. F. FEW.....	1941.....	New York,	N. Y.
**W. W. FLOWERS.....	1925.....	New York,	N. Y.
***J. B. HURLEY.....	1896.....	Goldsboro,	N. C.
C. F. LAMBETH.....	1915.....	Thomasville,	N. C.
H. B. PORTER.....	1941.....	Wilson,	N. C.
C. K. PROCTOR.....	1935.....	Oxford,	N. C.

Term Expires December 31, 1945

E. S. BOWLING.....	1939.....	New York,	N. Y.
B. C. NALLE.....	1941.....	Charlotte,	N. C.
M. E. NEWSOM.....	1917.....	Durham,	N. C.
W. W. PEELE.....	1921.....	Richmond,	Va.
W. R. PERKINS.....	1924.....	New York,	N. Y.
D. C. ROPER.....	1929.....	Washington,	D. C.
***J. A. THOMAS.....	1936.....	White Plains,	N. Y.
F. M. WEAVER.....	1909.....	Asheville,	N. C.
B. S. WOMBLE.....	1915.....	Winston-Salem,	N. C.

* Died, October 16, 1940.

** Died, May 1, 1941.

*** Died, November 2, 1940.

**** Died, September 10, 1940.

FROM THE ALUMNI

	Year of Election		
H. R. DWIRE, Ass't. Rec. Secretary.....	1931.....	Durham,	N. C.
N. E. EDGERTON.....	1941.....	Raleigh,	N. C.
R. A. MAYER.....	1897.....	Charlotte,	N. C.
W. A. STANBURY.....	1933.....	Winston-Salem,	N. C.

Term Expires December 31, 1947

J. F. BRUTON, Chairman.....	1900.....	Wilson,	N. C.
JAMES B. CRAVEN.....	1941.....	Greensboro,	N. C.
D. S. ELIAS.....	1929.....	Asheville,	N. C.
P. H. HANES.....	1912.....	Winston-Salem,	N. C.
J. L. HORNE, JR.....	1934.....	Rocky Mount,	N. C.
J. A. LONG.....	1915.....	Roxboro,	N. C.
*T. F. MARR, Vice-Chairman.....	1900.....	Brevard,	N. C.
S. B. TURRENTINE.....	1893.....	Greensboro,	N. C.
EARLE W. WEBB.....	1933.....	New York,	N. Y.

FROM THE ALUMNI

S. S. ALDERMAN.....	1934.....	Washington,	D. C.
W. N. REYNOLDS.....	1927.....	Winston-Salem,	N. C.
J. H. SEPARK.....	1916.....	Gastonia,	N. C.
WILLIS SMITH.....	1929.....	Raleigh,	N. C.

ENDOWMENT TRUSTEES

G. G. ALLEN, Chairman.....	1924.....	New York,	N. Y.
W. R. PERKINS, Vice-Chairman.....	1924.....	New York,	N. Y.
N. A. COCKE, Vice-Chairman.....	1924.....	Charlotte,	N. C.
A. H. SANDS, JR., Secretary.....	1924.....	New York,	N. Y.
E. C. MARSHALL, Assistant Secretary.....	1924.....	Charlotte,	N. C.
W. C. PARKER, Treasurer.....	1924.....	New York,	N. Y.
W. B. BELL.....	1924.....	New York,	N. Y.
C. I. BURKHOLDER.....	1924.....	Charlotte,	N. C.
MRS. DORIS DUKE CROMWELL.....	1933.....	New York,	N. Y.
MRS. J. B. DUKE.....	1924.....	New York,	N. Y.
R. L. FLOWERS.....	1926.....	Durham,	N. C.
B. E. GEER.....	1924.....	Greenville,	S. C.
W. S. RANKIN.....	1925.....	Charlotte,	N. C.
W. N. REYNOLDS.....	1931.....	Winston-Salem,	N. C.
W. S. O'B. ROBINSON, JR.....	1932.....	Charlotte,	N. C.

COMMITTEES OF THE UNIVERSITY TRUSTEES

Buildings and Grounds: J. R. SMITH, CHERRY, BARNHARDT.

Business Administration of the University: HANES, LONG, ELIAS, BOWLING.

Colleges: ALDERMAN, ROPER, HORNE.

Divinity School: PEELE, GRANT, PORTER, EDGERTON.

School of Forestry: DWIRE, **W. W. FLOWERS, NEWSOM, FEW.

Graduate School: WEBB, TURRENTINE, R. L. FLOWERS, CRAVEN.

Law School: WILLIS SMITH, WOMBLE, BELL, FRIZZELLE.

Library: STANBURY, HANES, LAMBETH, WEAVER.

Medical School and Hospital: ***THOMAS, MAYER, PROCTOR, NALLE.

Physical Education and Intercollegiate Athletics: SEPARK, J. R. SMITH, PROCTOR.

* Died, December 8, 1940.

** Died, May 1, 1941.

*** Died, September 10, 1940.

OFFICERS OF ADMINISTRATION

GENERAL ADMINISTRATION

*FEW, WILLIAM PRESTON, A.B., A.M., Ph.D., Litt.D., Ed.D., L.H.D., LL.D. <i>President</i>	West Campus
**FLOWERS, ROBERT LEE, A.M., LL.D. <i>President</i>	West Campus
WANNAMAKER, WILLIAM HANE, A.B., A.M., Litt.D. <i>Vice-President and Dean of the University</i>	West Campus
DWIRE, HENRY RUDOLPH, A.B., A.M. <i>Vice-President and Director of Public Relations and Alumni Affairs</i>	403 Chapel Hill Street
BROWN, FRANK CLYDE, A.B., A.M., Ph.D. <i>Comptroller</i>	410 Buchanan Road
BROWER, ALFRED SMITH, A.B. <i>Administrative Assistant</i>	518 Morehead Avenue

BUSINESS ADMINISTRATION

MARKHAM, CHARLES BLACKWELL, A.B., A.M. <i>Treasurer of the University</i>	204 Dillard Street
JORDAN, CHARLES EDWARD, A.B. <i>Secretary of the University</i>	813 Vickers Avenue
BOY, CARL A. <i>Superintendent of Maintenance</i>	2224 Erwin Road
DOOLEY, NELL, R.N. <i>Dietitian, the Union</i>	Faculty Apartments, East Campus
GIFT, JOHN C. <i>Superintendent of Maintenance</i>	811 Fifth Street
HENRICKSEN, GERHARD CHESTER, A.B., A.M., C.P.A. <i>Auditor</i>	216 Forest Wood Drive, Forest Hills
HOOKE, MARY R., MRS. <i>Supervisor of Dormitories</i>	Powe Apartments, Buchanan Road
MARTIN, LILLY SLADE, MRS. <i>Supervisor of Dormitories</i>	2011 Woodrow Street
MOORE, JOHN MEREDITH, A.B. <i>Manager, the Duke University Stores</i>	2615 Chapel Hill Boulevard
NORWOOD, G. D., MRS. <i>Dietitian, Southgate Hall</i>	204 Watts Street
OLIVER, HELEN, MRS. <i>Dietitian, the Union</i>	East Campus
SAWYER, OTIS, A.B. <i>Purchasing Agent, Duke University</i>	2010 Club Boulevard
THOMPSON, JAMES EDWARD <i>Manager, the Duke University Dining Halls</i>	504 East Forest Hills Boulevard

* Died, October 16, 1940.

** Elected, January 29, 1941.

- TYREE, WILLIAM ALLEN, A.B.
Director in the Business Division 610 Buchanan Road
- WEGENER, MARY E., MRS.
Supervisor of Dormitories Powe Apartments, Buchanan Road
- WHITFORD, WILLIAM EDWARD, A.B.
Director in the Business Division 804 Third Street
-

PUBLIC RELATIONS AND ALUMNI AFFAIRS

- DWIRE, HENRY RUDOLPH, A.B., A.M.
Director of Public Relations and Alumni Affairs 403 Chapel Hill Street
-
- DUKES, CHARLES AUBREY, A.B.
Assistant Director 1309 Oakland Avenue
- GARRARD, ANNE, A.B., A.M.
Assistant Director, Alumni Affairs 1023 Gloria Avenue
- JACKSON, DAVID KELLY, A.B., A.M.
Assistant Editor, Duke University Press 626 Swift Avenue
- MANN, GLENN EDWARD, A.B.
Manager, Athletics Division, the News Service 2114 Wilson Street
- *RIVERA, RODOLFO OSVALDO, A.B., A.M., Ph.D.
Executive Secretary, Duke University Press 205 W. Markham Avenue
- **SIMPSON, JAMES ROBERT, A.B.
Director, Appointments Office 807 Hermitage Court Drive
- ***UPCHURCH, WALTER MCGOWAN, JR., A.B., LL.B.
Director, Appointments Office Faculty Apartments
- WILKINSON, ALBERT ALEXANDER, A.B.
Director, the News Service 1113 Alabama Avenue
-

EDUCATIONAL ADMINISTRATION

- WANNAMAKER, WILLIAM HANE, A.B., A.M., Litt.D.
Dean of the University and of Trinity College West Campus
- BALDWIN, ALICE MARY, A.B., A.M., Ph.D.
Dean of the Woman's College East Campus
- GREENE, WALTER KIRKLAND, A.B., A.M., Ph.D.
Dean of Undergraduate Instruction Myrtle Drive, West Campus
- HERRING, HERBERT JAMES, A.B., A.M.
Dean of Men Myrtle Drive, West Campus
- MANCHESTER, ALAN KREBS, A.B., A.M., Ph.D.
Dean of Freshmen Myrtle Drive, West Campus
- CLEAVELAND, FREDERIC NEILL, (1940) A.B.
Assistant Dean of Men 1507 West Pettigrew Street
- SMITH, RUTH SLACK, MRS., A.B., A.M.
Associate Dean of Undergraduate Instruction, Woman's College
 Faculty Apartments, East Campus
- WILSON, MARY GRACE, A.B.
Dean of Residence, Woman's College,
Head of Brown House Brown House

* Absent on leave, 1940-1941.
 ** Resigned, November 1, 1940.
 *** Appointed, December 1, 1940.

- PERSONS, ELIZABETH ANDERSON, MRS., A.B., A.M. 104 Erwin Apartments
Assistant Dean in Charge of Freshmen of the Woman's College
Secretary of the Committee on Admissions of the Woman's College
- HALL, WILLIAM HOLLAND, A.B., A.M., B.C.E., M.S.C.E.
Dean of the College of Engineering 1015 Dacian Avenue
- HOOVER, CALVIN BRYCE, A.B., Ph.D., Litt.D. 1702 Duke University Road
Dean of the Graduate School of Arts and Sciences
- DELAPLANE, WALTER HAROLD, A.B., A.M., Ph.D. 214 Swift Avenue
Assistant to the Dean of the Graduate School
- RUSSELL, ELBERT, A.B., A.M., Ph.D., Litt.D. 804 Fourth Street
Dean Emeritus of the Divinity School
- GARBER, PAUL NEFF, A.B., A.M., Ph.D. West Campus
Dean of the Divinity School
- HORACK, HUGO CLAUDE, Ph.B., LL.B., LL.D. 2021 Myrtle Drive, West Campus
Dean of the School of Law
- DAVISON, WILBURT CORNELL, A.B., B.A., B.Sc., A.M., D.Sc., M.D. Hope Valley
Dean of the School of Medicine
- PINKERTON, MARGARET ISABEL, (1939) R.N., B.S. Nurses Home
Dean of the School of Nursing
- BAKER, BESSIE, R.N., B.S. Baltimore, Md.
Dean Emeritus of the School of Nursing
- KORSTIAN, CLARENCE FERDINAND, B.S.F., M.F., M.A., Ph.D. 1718 Duke University Road
Dean of the School of Forestry
- HOLTON, HOLLAND, A.B., J.D. 809 Watts Street
Director of the Summer School
-
- COLEMAN, MARGARET, A.B., A.M. 918 Urban Avenue
Recorder, Trinity College
- HUCKABEE, ELLEN HARRIS, A.B., A.M. Pegram House
Assistant Dean of Residence, Woman's College,
Head of Pegram House
- KENDALL, HELEN MILDRED, A.B. H-1-C University Apts.
Registrar, School of Law
- SEABOLT, LOUISE, A.B., A.M. 805 Watts Street
Recorder, Woman's College
- STOCKSDALE, HELEN I. Beverly Apartments
Recorder, School of Medicine

INSTRUCTIONAL STAFF

This alphabetical list includes all members of the various faculties of the University. The date denotes the first year of service.

- ADAMS, DONALD KEITH, (1931) A.B., M.A., Ph.D. Cornwallis Road
Associate Professor of Psychology
- ADDOMS, RUTH MARGERY, (1930) B.A., M.A., Ph.D. 1003 Lamond Avenue
Associate Professor of Botany
- *ALDRIDGE, FRED SOULE, (1922) A.B., A.M. East Campus
Assistant Professor of Mathematics
- ALLEN, CLARK LEE, (1941) A.B., A.M. Duke University
Instructor in Economics
- ALLEN, DON CAMERON, (1938) A.B., Ph.D. 701 Club Boulevard
Assistant Professor of English
- ALTVATER, F. VERNON, (1930) A.B., A.M. Route 2, Hillsboro, N. C.
Associate in Hospital Administration

* Retired, June 30, 1940.

- ALYEA, EDWIN PASCAL, (1930) S.B., M.D.
Associate Professor of Surgery in Charge of Urology Hope Valley
- *ANDERSON, CHARLES ROBERTS, (1930) A.B., A.M., Ph.D.
Associate Professor of English 2516 Stuart Drive
- ANDERSON, LEWIS EDWARD, (1936) B.S., A.M., Ph.D.
Instructor in Botany 2016 Myrtle Drive
- ANDERSON, WILLIAM BANKS, (1930) A.B., M.D. 503 E. Forest Hills Blvd.
Associate Professor of Surgery in Charge of Ophthalmology
- ARENA, JAY MORRIS, (1933) B.S., M.D.
Assistant Professor of Pediatrics 2032 Club Boulevard
- ARNOLD, RALPH A., (1936) B.A., M.D.
Instructor in Otolaryngology and Ophthalmology University Apartments
- ATWOOD, THEODORE W., (1934) A.B., D.M.D.
Associate in Dentistry Allenton Apartments
- AYCOCK, THOMAS MALCOLM, (1937) B.S., M.S.
Assistant Professor of Physical Education 1404 Alabama Avenue
- BAITY, HERMAN GLENN, (1938) Sc.D.
Lecturer in Public Health Chapel Hill, N. C.
- BAKER, BESSIE, (1930) R.N., B.S.
Dean of the School of Nursing and Professor of Nursing Education, Emeritus Baltimore, Md.
- BAKER, LENOX DIAL, (1937) M.D.
Assistant Professor of Orthopaedics Hope Valley
- BAKER, ROGER DENIO, (1930) A.B., M.D.
Assistant Professor of Pathology 1111 Watts Street
- BALDWIN, ALICE MARY, (1923) A.B., A.M., Ph.D.
Professor of History and Dean of the Woman's College East Campus
- BARKER, RUTH ELIZABETH, (1940) A.B., M.S.
Instructor in Medical Social Service 1507 W. Pettigrew Street
- BAUM, PAULL FRANKLIN, (1922) A.B., A.M., Ph.D.
Professor of English 112 Pinecrest Road
- BAYLIN, GEORGE JAY, (1939) A.B., M.D.
Instructor in Anatomy and Assistant in Radiology University Apartments
- BEAL, JAMES ALLEN, (1939) B.S., M.S., Ph.D.
Professor of Forest Entomology 908 West Markham Avenue
- BEARD, JOSEPH W., (1937) B.S., M.D.
Assistant Professor of Surgery in Charge of Experimental Surgery Hillsboro, N. C.
- BERNHEIM, FREDERICK, (1930) A.B., Ph.D. Woodridge Drive, Rockwood
Associate Professor of Physiology and Pharmacology
- BERNHEIM, MARY LILIAS CHRISTIAN, MRS., (1930) B.A., M.A., Ph.D.
Assistant Professor of Biochemistry Woodridge Drive, Rockwood
- BERRY, EDWARD WILLARD, (1936) A.B., Ph.D.
Associate Professor of Geology 1003 N. Gregson Street
- BERRY, THOMAS SENIOR, (1935) S.B., M.A., Ph.D.
Instructor in Economics 100 Vineyard Street
- BIGELOW, LUCIUS AURELIUS, (1929) S.B., Ph.D.
Associate Professor of Chemistry 131 Pinecrest Road
- BIRD, HAROLD CRUSIUS, (1926) Ph.B., C.E.
Professor of Civil Engineering 1209 Virginia Avenue
- **BLACK, MARTIN LEE, JR., (1930) A.B., M.B.A., C.P.A.
Associate Professor of Accounting 135 Pinecrest Road
- BLACKBURN, WILLIAM MAXWELL, (1926) A.B., B.A., M.A.
Associate Professor of English 715 Anderson Street

* Resigned, June 30, 1941.

** Absent on National Defense leave, 1941-1942.

- *BLOMQUIST, HUGO LEANDER, (1920) B.S., Ph.D.
Professor of Botany 922 Demerius Street
- BOAS, RALPH PHILIP, JR. (1939) A.B., Ph.D.
Instructor in Mathematics Duke University
- BOLICH, WILLIAM BRYAN, (1927) A.B., B.A. (Juris.) M.A., B.C.L.
Professor of Law Hope Valley
- BONNER, LYMAN GAYLORD, (1937) A.B., Ph.D.
Instructor in Physics Nation Avenue
- BOOKHOUT, CAZLYN GREEN, (1935) A.B., A.M., Ph.D.
Assistant Professor of Zoology 1307 Alabama Avenue
- BRADFORD, WILLIAM ZIEGLER, (1935) B.S., M.D.
*Assistant Professor of Obstetrics and Gynecology and
 Director, Outside Obstetric Service* Charlotte, N. C.
- BRADSHAW, CHARLES KILGO, (1939) A.B., M.A., Ph.D.
Instructor in Chemistry 2219 Club Boulevard
- BRADWAY, JOHN SAEGER, (1931) A.B., A.M., LL.B.
Professor of Law Stuart Drive
- BRANSCOMB, BENNETT HARVIE, (1925) A.B., B.A., M.A., Ph.D., Litt.D.
Professor of New Testament Language and Literature Chelsea Circle, Hope Valley
- BRICE, ASHBEL GREEN, (1939) A.B., A.M.
Instructor in English Duke University
- BRIDGERS, FURMAN ANDERSON, (1926) A.B., A.M.
Assistant Professor of Romance Languages 1325 Arnette Avenue
- BROADHEAD, EDWARD HALL, (1933) A.B., A.M., M.M.
Instructor in Music 1015 Dacian Avenue
- BROWN, FRANCES, (1931) A.B., Ph.D.
Assistant Professor of Chemistry 205 Jones Street
- BROWN, FRANK CLYDE, (1909) A.B., A.M., Ph.D.
Professor of English 410 Buchanan Road
- BROWN, HAROLD WILLIAM, (1938) A.B., M.S., Sc.D., Dr.P.H., M.D.
Professor of Preventive Medicine and Public Health Chapel Hill, N. C.
- BROWNELL, WILLIAM ARTHUR, (1930) A.B., A.M., Ph.D.
Professor of Educational Psychology Hope Valley
- BRUINSMA, HENRY A., (1938) B.M., M.M.
Instructor in Music 2104 Sprunt Street
- BRYSON, THADDEUS DILLARD, (1928) LL.D.
Professor of Law Hope Valley
- CALLAWAY, JASPER LAMAR, (1937) B.S., M.D.
Assistant Professor of Dermatology and Syphilology 907 Second Street
- CANNON, JAMES, III, (1919) A.B., A.M., Th.B., Th.M., D.D.
Ivey Professor of History of Religion and Missions 619 Morehead Avenue
- CARLITZ, LEONARD, (1932) A.B., A.M., Ph.D.
Associate Professor of Mathematics 1410 Markham Avenue
- CARPENTER, DAVID WILLIAMS, (1929) A.B., A.M., Ph.D.
Assistant Professor of Physics 137 Pinecrest Road
- CARR, JOHN WINDER, JR., (1926) A.B., A.M., Ph.D.
Professor of Education 926 Monmouth Avenue
- CARROLL, EBER MALCOLM, (1923) A.B., A.M., Ph.D.
Professor of History University Apartments
- CARTER, BAYARD, (1931) A.B., B.A., M.A., M.D.
Professor of Obstetrics and Gynecology Myrtle Drive, West Campus

* Absent on leave, 1941-1942.

- *CAVERS, DAVID FARQUHAR, (1931) B.S., LL.B.
Professor of Law Sylvan Road
- CHAPMAN, ROBERT G., (1936) B.S. in M.E., M.M.E.
Assistant Professor of Mechanical Engineering 1007 Lakewood Avenue
- CHILDS, BENJAMIN GUY, (1924) B.A., M.A.
Professor of Education 1019 West Markham Avenue
- CLARK, KENNETH WILLIS, (1931) A.B., B.D., Ph.D.
Assistant Professor of New Testament Language and Literature
 1308 Markham Avenue
- CLAY, ALFRED THOMAS, (1941) B.S., A.M., Captain, U. S. Navy, Retired
Professor of Naval Science and Tactics 912 Shepherd Street
- CLYDE, PAUL HIBBERT, (1937) A.B., A.M., Ph.D.
Associate Professor of History Faculty Apartments
- COILE, THEODORE STANLEY, (1935) B.S.F., M.F., Ph.D.
Assistant Professor of Forest Soils Angle Park, University Drive
- COLE, ROBERT TAYLOR, (1935) A.B., A.M., Ph.D.
Associate Professor of Political Science 7 Sylvan Road
- CONANT, NORMAN FRANCIS, (1935) B.S., A.M., Ph.D.
Assistant Professor of Bacteriology and Mycology Tuscaloosa Forest
- CONSTANT, FRANK WOODBRIDGE, (1930) B.S., Ph.D.
Assistant Professor of Physics Legion Avenue
- COOLIDGE, THOMAS BUCKINGHAM, (1935) B.A., Ph.D., M.D.
Associate in Biochemistry University Apartments
- COWPER, FREDERICK AUGUSTUS GRANT, (1918) A.B., A.M., Ph.D.
Professor of Romance Languages 1017 Dacian Avenue
- CRAIG, ROBERT LAWRENCE, (1938) B.A., M.D.
Instructor in Neurology 919 Monmouth Avenue
- CRAVEN, ERLE BULLA, JR., (1937) A.B., M.D.
Instructor in Medicine Winston-Salem, N. C.
- **CRISPELL, RAYMOND S., (1933) A.B., M.D.
Associate Professor of Neuropsychiatry Myrtle Drive, West Campus
- CROSS, WILLIAM CYPRIAN, (1941) B.S., Lieutenant Commander, U. S. Navy
Associate Professor of Naval Science and Tactics Chapel Hill, N. C.
- CRUM, MASON, (1930) A.B., Ph.D.
Assistant Professor of Biblical Literature Anderson Street
- CULBRETH, SARAH ELIZABETH, (1938) A.B., A.M., Ph.D.
Instructor in Zoology 801 Third Street
- ***CUNNINGHAM, BERT, (1916) B.S., M.S., Ph.D.
Professor of Biology 1200 Markham Avenue
- DANN, WILLIAM JOHN, (1934) B.S., Ph.D.
Associate Professor of Physiology and Nutrition 1016 Sycamore Street
- DAVIS, GIFFORD, (1930) A.B., A.M., Ph.D.
Assistant Professor of Romance Languages 2015 Wa Wa Avenue
- DAVISON, WILBURT CORNELL, (1927) A.B., B.A., B.Sc., M.A., D.Sc., M.D.
Professor of Pediatrics and Dean of the School of Medicine Hope Valley
- DEES, JOHN ESSARY, (1939) B.S., M.D.
Associate in Urology University Apartments
- DEES, SUSAN COONS, (1939) A.B., M.S., M.D.
Instructor in Pediatrics University Apartments

* Absent on leave, 1940-1941.

** Absent on National Defense leave.

*** Absent on leave, first semester, 1941-1942.

- DELAFLANE, WALTER HAROLD, (1934) A.B., A.M., Ph.D.
Assistant Professor of Economics 214 Swift Avenue
- DE VYVER, FRANK TRAVER, (1935) A.B., A.M., Ph.D.
Associate Professor of Economics 8 Sylvan Road
- DICK, MACDONALD, (1932) B.A., M.A., M.D.
Associate in Medicine, Physiology, and Pharmacology Hope Valley
- DOW, MARIE, MME., (1934) L. ès L., M.A.
Instructor (Part-time) in French 1411 Arcadia Street
- DOW, NEAL, (1934) A.B., M.A., Ph.D.
Instructor in Romance Languages 1411 Arcadia Street
- DRESSEL, FRANCIS GEORGE, (1929) B.S., M.S., Ph.D.
Instructor in Mathematics Route 1, Box 106, Durham
- DUBS, HOMER HASENPFLUG, (1937) A.B., A.M., B.D., Ph.D.
Acting Professor of Philosophy 2415 Club Boulevard
- DUKE, KENNETH LINDSAY, (1940) A.B., Ph.D.
Instructor in Anatomy 2112 Englewood Avenue
- EADIE, GEORGE SHARP, (1930) M.A., M.B., Ph.D.
Professor of Physiology and Pharmacology Hope Valley
- EAGLE, WATT WEEMS, (1930) A.B., M.D.
Associate Professor of Surgery in Charge of Otolaryngology 804 Anderson Street
- EASLEY, ELEANOR BEAMER, (1934) B.A., M.A., M.D.
Instructor in Obstetrics and Gynecology Guess Road
- *EASLEY, HOWARD, (1930) A.B., M.A., Ph.D.
Assistant Professor of Education Guess Road
- EDWARDS, CHARLES WILLIAM, (1898) A.B., A.M., M.S.
Professor of Physics 406 Buchanan Road
- EIDAM, MARY, (1941) B.M.
Instructor in Music Duke University
- EITEMAN, WILFORD J., (1937) A.B., A.M., Ph.D.
Assistant Professor of Economics 126 Pinecrest Road
- ELLIOTT, WILLIAM WHITFIELD, (1925) B.A., M.A., Ph.D.
Professor of Mathematics 1404 Arnette Avenue
- ELLWOOD, CHARLES ABRAM, (1930) Ph.B., Ph.D., LL.D.
Professor of Sociology Pinecrest Road
- EPPERSON, JESSE HARRISON, (1930) B.S.
Instructor in Preventive Medicine and Public Health 1601 Hermitage Court
- ERICKSON, CYRUS CONRAD, (1937) B.S., B.M., M.D.
Instructor in Pathology Woodridge Drive
- EVANS, FRANCIS GAYNOR, (1941) A.B., A.M., Ph.D.
Instructor in Zoology Duke University
- EVERETT, JOHN WENDELL, (1932) A.B., Ph.D.
Assistant Professor of Anatomy 2511 University Drive
- **FARMER, WILLIAM DEMPSEY, (1939) A.B., M.D.
Instructor in Otolaryngology and Ophthalmology University Apartments
- FERGUSON, ARTHUR BOWLES, (1939) A.B., Ph.D.
Instructor in History 1104 Watts Street
- FERGUSON, GEORGE BURTON, (1937) M.S. (Med.), M.D.
Instructor in Bronchoscopy Beverly Apartments
- FINKELSTEIN, HAROLD, (1931) B.S., M.D.
Assistant Professor of Surgery Erwin Apartments

* Absent on leave, first semester, 1941-1942.

** Resigned, June 30, 1941.

- FITZGERALD, WILLIAM STONE, (1935) A.B., A.M.
Instructor in English 3 Powe Apartments, 603 Watts Street
- FORBUS, WILEY DAVIS, (1930) A.B., M.D.
Professor of Pathology Hope Valley
- FOX, HERBERT JUNIUS, (1940) M.D.
Instructor in Medicine Indian Trail
- FUGATE, ROBERT CARSON, (1938) M.D.
Instructor in Otolaryngology and Ophthalmology Duke Hospital
- GARBER, PAUL NEFF, (1924) A.B., A.M., Ph.D. Myrtle Drive, West Campus
Professor of Church History and Dean of the Divinity School
- *GARDINER, ANN HENSHAW, (1930) R.N., B.S., M.S.
Assistant Professor of Nursing Education 212 Watts Street
- GARDNER, CLARENCE ELLSWORTH, JR., (1930) A.B., M.D.
Associate Professor of Surgery Hope Valley
- GATES, ARTHUR MATHEWS, (1909) A.B., A.M., Ph.D.
Assistant Professor of Latin 1030 West Trinity Avenue
- GERGEN, JOHN JAY, (1936) A.B., M.A., Ph.D.
Professor of Mathematics 1005 Monmouth Avenue
- GIBSON, WILLIAM MARION, (1934) A.B., A.M., Ph.D.
Assistant Professor of Political Science 2014 Wilson Street
- **GILBERT, ALLAN, (1920) B.A., A.M., Ph.D.
Professor of English 516 Carolina Circle
- GILBERT, KATHARINE EVERETT, (1930) A.B., A.M., Ph.D.
Professor of Philosophy 516 Carolina Circle
- GILLIN, JOHN, (1941) A.B., A.M., Ph.D.
Associate Professor of Anthropology Duke University
- GLASSON, WILLIAM HENRY, (1902) Ph.B., Ph.D., LL.D.
Professor of Political Economy and Social Science, Emeritus 710 Buchanan Road
- GOHDES, CLARENCE, (1930) A.B., A.M., Ph.D.
Professor of English 1001 Lamond Avenue
- GOTAAS, HAROLD BENEDICT, (1938) B.S., M.S., S.M.
Instructor in Public Health Chapel Hill, N. C.
- GRAHAM, WILLIAM ALEXANDER, (1939) A.B., M.D.
Instructor in Obstetrics and Gynecology Beverly Apartments
- GRAVES, ROBERT WILLIAMS, (1936) B.S., M.A., M.D.
Assistant Professor of Neurology Cornwallis Road
- GRAY, IRVING EMERY, (1930) B.S., M.S., Ph.D.
Associate Professor of Zoology 124 Pinecrest Road
- GREENE, WALTER KIRKLAND, (1928) A.B., A.M., Ph.D.
Professor of English and Dean of Undergraduate Instruction Myrtle Drive, West Campus
- GREENHILL, MAURICE H., (1940) A.B., M.D.
Associate in Neuropsychiatry 411 North Gregson Street
- ***GREENWOOD, JOSEPH, (1930) A.B., A.M., Ph.D.
Assistant Professor of Mathematics 1314 Norton Street
- GROSS, PAUL MAGNUS, (1919) B.S., A.M., Ph.D.
William Howell Pegram Professor of Chemistry Hope Valley
- GROUT, JULIA REBECCA, (1924) A.B., M.S.
Assistant Professor of Physical Education, Woman's College 207 Jones Street

* Absent on leave, second semester, 1940-1941. Resigned, effective June 30, 1941.

** Absent on leave, second semester, 1941-1942.

*** Absent on leave, 1941-1942.

- GROVES, ERNEST RUTHERFORD, (1938) A.B., B.D., Research Professor of Sociology at the University of North Carolina
Lecturer on Sociology, second half-year
- GUNTER, JUNE U., (1938), A.B., M.D.
Instructor in Pathology Duke Hospital
- HALL, FRANK GREGORY, (1926) A.B., A.M., Ph.D.
Professor of Zoology 122 Pinecrest Road
- HALL, LOUISE, (1931) B.A., S.B. in Architecture, Brevet d'Art de la Sorbonne
Assistant Professor of Fine Arts 211 Faculty Apartments
- HALL, SNOWDEN COWMAN, (1937) A.B., M.D.
Instructor in Medicine Danville, Va.
- HALL, WILLIAM HOLLAND, (1915) A.B., A.M., B.C.E., M.S.C.E.
Professor of Engineering and Dean of the College of Engineering 1015 Dacian Avenue
- HAMBLÉN, EDWIN CROWELL, (1931) B.S., M.D.
Associate Professor of Obstetrics and Gynecology 810 Forest Hills Blvd.
- HAMILTON, EARL JEFFERSON, (1927) B.S., A.M., Ph.D.
Professor of Economics 1015 Demerius Street
- HAMILTON, WILLIAM BASKERVILLE, JR., (1936) A.B., A.M., Ph.D.
Instructor in History 2009 Pershing Street
- HANES, FREDERIC MOIR, (1930) A.B., A.M., M.D.
Florence McAlister Professor of Medicine 2127 Myrtle Drive, West Campus
- HANSEN-PRÜSS, OSCAR CARL EDVARD, (1930) A.B., M.D.
Associate Professor of Medicine 3 Surry Road, Hope Valley
- HARGITT, GEORGE THOMAS, (1930) Ph.B., A.M., Ph.D., Sc.D.
Professor of Zoology 811 Watts Street
- HARRAR, ELWOOD SCOTT, (1936) B.S., M.S., Ph.D.
Associate Professor of Wood Technology 1402 Alabama Avenue
- *HARRELL, GEORGE THOMAS, JR., (1938) B.A., M.D.
Instructor in Medicine 708 Buchanan Blvd.
- HARRIS, JEROME SYLVAN, (1936) A.B., M.D.
Associate in Pediatrics and Biochemistry 907 Second Street
- HART, DERYL, (1930) A.B., A.M., M.D.
Professor of Surgery Duke University Road and Highway 751
- HART, HORNE LL NORRIS, (1938) A.B., M.A., Ph.D.
Professor of Sociology Randolph Road
- HARWELL, GEORGE CORBIN, (1935) A.B., A.M., Ph.D.
Instructor in English 2020 Pershing Street
- HASBROUCK, FRANCIS MAHLON, (1935) A.B., Ph.D.
Assistant Professor of Romance Languages 1005 Homer Street
- HATLEY, CHARLES CLEVELAND, (1917) A.B., A.M., Ph.D.
Professor of Physics 708 Buchanan Road
- HAUSER, CHARLES ROY, (1929) B.S., M.S., Ph.D.
Assistant Professor of Chemistry 1020 Rose Hill Avenue
- *HAVENS, RALPH MURRAY, (1938) A.B., M.B.A.
Instructor in Accounting 1106 Arnette Avenue
- HEBB, MALCOLM HAYDEN, (1938) A.B., Ph.D.
Instructor in Physics 132 Pinecrest Road
- HENDRIX, JAMES PAISLEY, (1938) B.S., M.A., M.D.
Associate in Medicine 144 Pinecrest Road
- HERRING, HERBERT JAMES, (1924) A.B., A.M.
Assistant Professor in Speech and Dean of Men Myrtle Drive, West Campus

* Resigned, June 30, 1941.

- HETHERINGTON, DUNCAN CHARTERIS, (1930) A.B., M.A., Ph.D., M.D.
Associate Professor of Anatomy Hope Valley
- HICKMAN, FRANKLIN SIMPSON, (1927) A.B., S.T.B., A.M., Ph.D.
Professor of Preaching and the Psychology of Religion and
Dean of the Chapel 823 Buchanan Rd.
- HICKSON, ARTHUR OWEN, (1929) A.B., A.M., Ph.D.
Assistant Professor of Mathematics 208 Legion Avenue, Tuscaloosa Forest
- HILL, DOUGLAS, (1931) A.B., M.A., Ph.D.
Assistant Professor of Chemistry Dixon Road
- HITCH, JOSEPH M., (1938) A.B., M.S., M.D.
Instructor in Dermatology and Syphilology Chapel Hill, N. C.
- HOBBS, MARCUS EDWIN, (1935) A.B., A.M., Ph.D.
Instructor in Chemistry Pinecrest Road
- HOFFER, JERRY, (1941) B.S., M.S. in A.E.
Instructor in Aeronautics Duke University
- HOLLINSHEAD, WILLIAM HENRY, (1930) B.A., M.S., Ph.D.
Assistant Professor of Anatomy 1003 Urban Avenue
- HOLTON, HOLLAND, (1912) A.B., J.D.
Professor of the History and Science of Education and
Director of the Summer School 809 Watts Street
- HON, RALPH C., (1941) A.B., A.M., Ph.D.
Visiting Professor of Economics Duke University
- HOOVER, CALVIN BRYCE, (1925) A.B., Ph.D., Litt.D.
Professor of Economics and Dean of the Graduate School of
Arts and Sciences 1702 Duke University Road
- HORACK, HUGO CLAUDE, (1930) Ph.B., LL.B., LL.D.
Professor of Law and Dean of the School of Law
 2021 Myrtle Drive, West Campus
- HUBBELL, JAY BROADUS, (1927) A.B., A.M., Ph.D.
Professor of English Pinecrest Road
- IRVING, WILLIAM HENRY, (1936) B.A., B.A. (Oxon.), M.A., Ph.D.
Professor of English 207 Legion Avenue
- JEFFERS, KATHERINE R., (1937) A.B., A.M., Ph.D.
Assistant Professor of Zoology 1507 West Pettigrew Street
- JENSEN, HOWARD EIKENBERRY, (1931) A.B., A.M., B.D., Ph.D.
Professor of Sociology 143 Pinecrest Road
- JOHNSON, MYCHYLE W., (1937) A.B., Ph.D.
Instructor in Zoology 2108 Sprunt Street
- JOHNSTON, CHRISTOPHER, (1930) A.B., M.D.
Assistant Professor of Medicine 1417 W. Pettigrew Street
- JONES, ROBERT RANDOLPH, JR., (1930) A.B., M.D.
Assistant Professor of Surgery Anderson Street
- JONES, THOMAS T., (1937) A.B., M.D.
Instructor in Medicine 1919 Club Boulevard
- JORDAN, ARCHIBALD CURRIE, (1925) A.B., A.M.
Assistant Professor of English Pinecrest Road, Corner U. S. Highway No. 751
- JORDAN, BRADY RIMBEY, (1927) Litt.B., Ph.D.
Professor of Romance Languages 117 Pinecrest Road
- KEECH, JAMES MAYNARD, (1931) A.B., A.M., Ph.D.
Instructor in Economics Nation Avenue
- KEMP, EDWARD H., (1940) A.B., Ph.D.
Assistant Professor of Psychology 1403 Oakland Avenue

- KEMP, MALCOLM D., (1937) M.D.
Instructor in Neuropsychiatry Pine Bluff, N. C.
- KEMPNER, WALTER, (1934) M.D.
Assistant Professor of Medicine Washington Duke Hotel
- KLEIN, JAMES RAYMOND, (1930) A.B., Ph.D.
Instructor in Biochemistry 924 Green Street
- KOHN, HENRY IRVING, (1937) A.B., Ph.D.
Associate in Physiology and Pharmacology 907 Second Street
- KORSTIAN, CLARENCE FERDINAND, (1930) B.S.F., M.F., M.A., Ph.D.
Professor of Silviculture and Dean of the School of Forestry
1718 Duke University Road
- KRAMER, PAUL JACKSON, (1931) A.B., M.Sc., Ph.D.
Associate Professor of Botany 2251 Cranford Road
- KRAYBILL, EDWARD K., (1939) B.S. in E.E.
Instructor in Electrical Engineering 113 Watts Street
- KRUMMEL, CHARLES ALBERT, (1922) Ph.B., Ph.M., Ph.D.
Professor of German 2118 Englewood Avenue
- LONDON, CHARLES EDWARD, (1926) A.B., A.M., Ph.D.
Assistant Professor of Economics 1001 West Trinity Avenue
- *LANNING, JOHN TATE, (1927) A.B., A.M., Ph.D.
Associate Professor of History Hope Valley
- LAPRADE, WILLIAM THOMAS, (1909) A.B., Ph.D.
Professor of History 1108 Monmouth Avenue
- LATTY, ELVIN REMUS, (1937) B.S., J.D., J.Sc.D.
Professor of Law 2020 Wilson Street
- LEARY, LEWIS GASTON, JR., (1941) A.B., A.M., Ph.D.
Assistant Professor of English Duke University
- LEMERT, BEN FRANKLIN, (1930) B.Sc. in Bus. Admin., M.A., Ph.D.
Assistant Professor of Economic Geography 123 Pinecrest Road
- LEONARD, HENRY SIGGINS, (1937) A.B., A.M., Ph.D.
Associate Professor of Philosophy 107 Pinecrest Road
- LESTER, RICHARD ALLEN, (1940) Ph.B., M.A., Ph.D.
Assistant Professor of Economics 2020 Wilson Street
- LEWIS, LEROY, (1935) A.B., A.M.
Instructor in Speech 1517 North Duke Street
- LEWIS, RALPH ELTON, (1941) B.S., M.S. in M.E.
Assistant Professor of Mechanical Engineering Duke University
- LINEBARGER, PAUL MYRON ANTHONY, (1937) A.B., M.A., Ph.D.
Assistant Professor of Political Science 1502 Bivins Street
- LONDON, ARTHUR HILL, JR., (1932) B.S., M.D.
Instructor in Pediatrics 502 Morehead Avenue
- LONDON, FRITZ, (1938) Ph.D.
Professor of Theoretical Chemistry 1308 Markham Avenue
- LÖWENBACH, HANS, (1940) M.D.
Assistant Professor of Neuropsychiatry and Physiology
University Apartments
- LOWNDES, CHARLES LUCIEN BAKER, (1934) A.B., LL.B., S.J.D.
Professor of Law 2016 Club Boulevard
- LUND, JOHN JORGENSEN, (1939) A.B., Ph.D., Certificate of Librarianship
Librarian 1015 Gloria Avenue
- *LUNDEBERG, OLAV K., (1931) A.B., A.M., Ph.D.
Associate Professor of Romance Languages 127 Pinecrest Road

* Absent on leave, second semester, 1941-1942.

- LUNDHOLM, HELGE (1930) Fil. Kand., Fil. Lic., Ph.D.
Professor of Psychology 803 Second Street
- LYMAN, RICHARD S., (1940) B.A., M.D.
Professor of Neuropsychiatry Hope Valley
- McBRYDE, ANGUS, (1931) B.S., M.D.
Assistant Professor of Pediatrics 1522 Hermitage Court
- MCCAIN, PAUL PRESSLY, (1933) A.B., M.D.
Assistant Professor of Medicine Southern Pines, N. C.
- MCCLOY, SHELBY THOMAS, (1927) A.B., M.A., B.A., B.Litt., Ph.D.
Assistant Professor of History Vineyard Street, Tuscaloosa Forest
- MCCREA, FORREST DRAPER, (1930) B.S., M.S., Ph.D.
Associate Professor of Physiology and Pharmacology 1023 Demerius Street
- MCDERMOTT, MALCOLM, (1930) A.B., LL.B.
Professor of Law East Campus
- MCDONALD, ALEXANDER DONALD, (1936) A.B., M.F.A.
Assistant Professor of Fine Arts University Apartments
- McLARTY, FURMAN GORDON, (1933) A.B., B.A., A.M., Ph.D.
Instructor in Philosophy Hillsboro, N. C.
- MAGGS, DOUGLAS BLOUNT, (1930) A.B., J.D., S.J.D.
Professor of Law Hope Valley
- MANCHESTER, ALAN KREBS, (1929) A.B., A.M., Ph.D.
Assistant Professor of History and Dean of Freshmen Myrtle Drive, West Campus
- MANNING, ISAAC HALL, JR., (1939) A.B., M.D.
Instructor in Medicine University Apartments
- MARTIN, DONALD STOVER, (1932) A.B., M.D.
Associate Professor of Bacteriology and Associate in Medicine 2208 Pershing Street
- MARTIN, ELSIE WILSON, MRS. (1930) A.B., M.S.
Professor of Dietetics 206 Faculty Apartments, East Campus
- *MARTIN, JEAN McNUTT, (1941) B.S., M.D.
*Assistant Physician of Student Health and
 Instructor of Pediatrics* Faculty Apartments
- MAUGHAN, WILLIAM, (1931) B.S., M.F.
Associate Professor of Forest Management 5 Sylvan Road
- MAXWELL, WILLIAM CARY, (1930) A.B., A.M., Ph.D.
Assistant Professor of German 142 Pinecrest Road
- MEIER, OTTO, JR., (1934) B.S. in E.E., M.S., E.E.
Assistant Professor of Electrical Engineering 916 Monmouth Avenue
- MENEFEE, ELIJAH EUGENE, JR., (1940) B.S. in Med., M.D.
Instructor in Medicine and Bacteriology 2102 Sprunt Street
- MILAM, DANIEL FRANKLIN, (1939) A.B., M.P.H., M.D.
Associate in Preventive Medicine and Public Health Duke Hospital
- *MILES, EDWARD ROY CECIL, (1929) B.S., M.A., Ph.D.
Assistant Professor of Mathematics 1028 Gloria Avenue
- MITCHELL, FRANK KIRBY, (1926) A.B., A.M.
Associate Professor of English East Campus
- MOORE, THOMAS H., (1940) B.S.
Instructor in Economics 1200 W. Markham Avenue
- MORGAN, GEORGE ALLEN, JR., (1936) Ph.B., A.M., Ph.D.
Associate Professor of Philosophy 713 Anderson Street
- MORGAN, JASPER EUGENE, (1936) B.S., A.M., Ph.D.
Instructor in Roentgenology and Physiology 2120 Pershing Street

* Resigned, June 30, 1941.

- *MOUZON, JAMES CARLISLE, (1932) B.A., Ph.D.
Assistant Professor of Physics 132 Pinecrest Road
- **MUELLER, JULIA WILKINSON, MRS., (1939) B.M., M.M.
Instructor in Music Faculty Apartments
- ***MULLER, MARY HOEN, (1930) R.N., Anes.
Instructor in Anesthesia Duke Hospital
- ****MYERS, HIRAM EARL, (1926) A.B., S.T.B., S.T.M.
Professor of Biblical Literature 141 Pinecrest Road
- NELSON, ERNEST WILLIAM, (1926) A.B., A.M., Ph.D.
Associate Professor of History Hope Valley
- NEURATH, HANS, (1938) Ph.D.
Assistant Professor of Biochemistry Manchester Apartments
- NICHOLSON, WILLIAM MCNEAL, (1935) A.B., M.D.
Associate in Medicine 812 Anderson Street
- *NIFLSEN, WALTER MCKINLEY, (1925) B.S. in E.E., Ph.D.
Professor of Physics 139 Pinecrest Road
- NORDHEIM, LOTHAR WOLFGANG, (1937) Ph.D.
Professor of Physics 904 Buchanan Road
- NORFLEET, GRIFFELLE M., (1938) A.B., B.S., M.A.
Supervisor of the Spastic Clinic Faculty Apartments
- NORTON, J. W. ROY, (1938) A.B., M.P.H., M.D.
Lecturer in Preventive Medicine and Public Health Chapel Hill, N. C.
- OOSTING, HENRY JOHN, (1932) A.B., M.S., Ph.D.
Assistant Professor of Botany 2528 University Drive, Rockwood
- ORGAIN, EDWARD STEWART, (1934) M.D.
Associate in Medicine Beverly Apartments
- *****ORMOND, JESSE MARVIN, (1923) A.B., B.D., D.D.
Professor of Practical Theology 301 Watts Street
- OUTLER, ALBERT C., (1938) A.B., A.M., B.D., Ph.D.
Assistant Professor of Historical Theology 2122 Englewood Avenue
- PAGÁN, FRANCISCO MARIANO, (1941) B.S., M.S., Ph.D.
Exchange Professor of Botany Duke University
- PARKER, HAROLD TALBOT, (1939) A.B., Ph.D.
Instructor in History University Apartments
- PATTERSON, KARL BACHMAN, (1920) A.B., A.M.
Assistant Professor of Mathematics 1024 Monmouth Avenue
- PATTON, LEWIS, (1926) A.B., Ph.D.
Associate Professor of English 1511 W. Pettigrew Street
- PEARSE, ARTHUR SPERRY, (1926) B.S., A.M., Ph.D., LL.D.
Professor of Zoology Chelsea Circle, Hope Valley
- *PEARSE, RICHARD LEHMER, (1935) A.B., M.D.
Instructor in Obstetrics and Gynecology 1003 Lamond Avenue
- PEPPLER, CHARLES WILLIAM, (1912) A.B., Ph.D.
Professor of Greek 406 Buchanan Road
- PEELE, TALMAGE LEE, (1939) A.B., M.D.
Instructor in Anatomy University Apartments
- PERLZWEIG, WILLIAM ALEXANDER, (1930) B.S., A.M., Ph.D.
Professor of Biochemistry Hope Valley
- PERRY, HAROLD SANFORD, (1932) A.B., Ph.D.
Assistant Professor of Botany 1222 Sixth Street

* Absent on National Defense leave.

** Resigned, June 30, 1941.

*** Died, January 22, 1941.

**** Absent on leave, first semester, 1941-1942.

***** Absent on leave, second semester, 1941-1942.

- PERSONS, ELBERT LAPSLEY, (1930) A.B., M.D.
Associate in Medicine and Dermatology 723 Anderson Street
- PETRY, RAY C., (1937) A.B., A.M., Ph.D.
Assistant Professor of Church History 128 Pinecrest Road
- *PIGAGE, LEO CHARLES, (1938) M.E., M.M.E.
Instructor in Mechanical Engineering 903 Sixth Street
- PINKERTON, MARGARET ISABEL, (1939) R.N., B.S.
Professor of Nursing and Dean of the School of Nursing Nurses Home
- PLUMMER, DAVID EDWIN, (1938) M.D.
Instructor in Syphilology 1506 Oakland Avenue
- POSTON, MARY ALVERTA, (1930) A.M.
Instructor in Bacteriology 512 Watts Street
- POTEAT, JAMES DOUGLASS, (1936) A.B., LL.B., J.S.D.
Professor of Law 1106 Watts Street
- POTEAT, MARY, (1935) A.B., A.M., Ph.D.
Instructor in English 103 Faculty Apartments
- PRATT, JOSEPH GAITHER, (1937) A.B., A.M., Ph.D.
Instructor in Psychology Nation Avenue
- PROCTOR, ARTHUR MARCUS, (1923) A.B., A.M., Ph.D.
Professor of Education Myrtle Drive, West Campus
- **QUYNN, DOROTHY MACKAY, MRS., (1930) A.B., A.M., Docteur de l'Université de Paris
Assistant Professor of History Woodridge Drive, Rockwood
- **QUYNN, WILLIAM ROGERS, (1930) B.A., M.A., Ph.D.
Assistant Professor of Romance Languages Woodridge Drive, Rockwood
- RANEY, RICHARD BEVERLY, (1934) A.B., M.D.
Associate in Orthopaedics 1110 Shepherd Street
- RANKIN, ROBERT STANLEY, (1927) A.B., A.M., Ph.D.
Professor of Political Science Manchester Apartments
- RANKIN, WATSON SMITH, (1930) M.D.
Lecturer in Preventive Medicine and Public Health Charlotte, N. C.
- RANKIN, WILLIAM WALTER, JR., (1926) B.E., M.A.
Professor of Mathematics 1011 Gloria Avenue
- RATCHFORD, BENJAMIN ULYSSES, (1928) B.S., A.M., Ph.D.
Associate Professor of Economics 133 Pinecrest Road
- RAYMOND, MARY LOIS, (1931) A.B., M.A.
Assistant Professor of Romance Languages 208 Watts Street
- REAMER, I. THOMAS, (1931) Ph.G.
Instructor in Pharmacy University Apartments
- REED, FREDERICK JEROME, (1935) M.E., M.S.
Assistant Professor of Mechanical Engineering 2203 Englewood Avenue
- REEVES, ROBERT JAMES, (1930) A.B., M.D.
Associate Professor of Radiology 1010 Monmouth Avenue
- REID, JOHN TURNER, (1939) A.B., A.M., Ph.D.
Assistant Professor of Romance Languages 2613 University Drive
- REQUE, PAUL GERHARD, (1940) M.D.
Instructor in Medicine, Dermatology and Syphilology 2023 Sprunt Street
- RHINE, JOSEPH BANKS, (1927) B.S., M.S., Ph.D.
Professor of Psychology 908 W. Club Boulevard
- RICHARDSON, WILLIAM P., (1938) B.S., M.P.H., M.D.
Instructor in Preventive Medicine and Public Health Chapel Hill, N. C.

* Resigned, February 1, 1941.

** Absent on leave, 1941-1942.

- ROBERT, JOSEPH CLARKE, (1938) A.B., A.M., Ph.D.
Assistant Professor of History 1102 B Street
- ROBERTS, JOHN H., (1931) A.B., Ph.D.
Associate Professor of Mathematics Legion Avenue, Tuscaloosa Forest
- ROBERTS, LOUIS CARROLL, (1933) B.S., M.D.
Instructor in Urology 1013 Dacian Avenue
- ROGERS, ROBERT S., (1937) A.B., A.M., Ph.D.
Professor of Latin 1008 W. Trinity Avenue
- ROPP, THEODORE, (1938) A.B., A.M., Ph.D.
Instructor in History 1009 Lakewood Avenue
- ROSBOROUGH, RUSKIN RAYMOND, (1925) A.B., A.M., Ph.D., Docteur en
 philologie classique, Louvain
Professor of Latin 410 Watts Street
- ROSE, JESSE LEE, (1936) A.B., M.A., Ph.D.
Instructor in Latin 804 Fourth Street
- ROSENAU, MILTON JOSEPH, (1938) M.D.
Lecturer in Preventive Medicine and Public Health Chapel Hill, N. C.
- ROSS, NORMAN F., (1937) D.D.S.
Instructor in Dentistry 1021 Dacian Avenue
- ROSS, ROBERT ALEXANDER, (1930) B.S., M.D.
Associate Professor of Obstetrics and Gynecology 818 Anderson Street
- ROWE, GILBERT THEODORE, (1928) A.B., S.T.D., D.D., Litt.D.
Professor of Christian Doctrine 150 Pinecrest Road
- RUFFIN, JULIAN MEADE, (1930) A.B., M.A., M.D.
Associate Professor of Medicine 816 Anderson Street
- RUSSELL, ELBERT, (1926) A.B., A.M., Ph.D., Litt.D.
*Professor of Biblical Interpretation and Dean
 Emeritus of the Divinity School* 804 Fourth Street
- SANDERS, C. RICHARD, (1937) B.Ph., M.A., Ph.D.
Assistant Professor of English 1004 Urban Avenue
- SANDERS, PAUL HAMPTON, (1936) A.B., LL.B.
Associate Professor of Law 1208 Watts Street
- *SAYLOR, JOHN HENRY, (1928) A.B., A.M., Ph.D.
Assistant Professor of Chemistry 707 Club Boulevard
- SCATES, DOUGLAS EDGAR, (1939) A.B., Ph.D.
Associate Professor of Education 600 N. Gregson Street
- SCHIEBEL, HERMAN MAX, (1939) A.B., M.D.
Instructor in Surgery 401 Watts Street
- SCHNEIDER, HENRY, III, (1941) A.B., A.M.
Instructor in German Duke University
- SCHULZE, WILLIAM, (1940) B.S., M.D.
Instructor in Medicine 1001 Lamond Avenue
- SCHUMACHER, FRANCIS X., (1937) B.S.
Professor of Forestry 6 Sylvan Road
- SEELEY, WALTER JAMES, (1925) E.E., M.S.
Professor of Electrical Engineering 1005 Urban Avenue
- **SERRELL, MORTON A., (1941) M.E.
Instructor in Mechanical Engineering 206 Swift Avenue
- ***SHANDS, ALFRED RIVES, JR., (1930) B.A., M.D.
Associate Professor of Surgery in Charge of Orthopaedics Wilmington, Del.

* Absent on leave, first semester, 1941-1942.

** Resigned, June 30, 1941.

*** Absent on leave, 1937—.

- SHARP, D. GORDON, (1939) B.S., M.A., Ph.D.
Research Associate in Experimental Surgery Francis Street
- SHEARS, LAMBERT ARMOUR, (1927) A.B., A.M., Ph.D.
Instructor in German 917 Green Street
- SHEPHERD, HAROLD, (1939) A.B., J.D.
Professor of Law Cole Mill Road
- SHIELDS, JOHN HERMAN, (1926) A.B., A.M.
Assistant Professor of Accounting 1315 Vickers Avenue
- SHIPMAN, GEORGE A., (1938) A.B., Ph.D.
Associate Professor of Political Science 140 Pinecrest Road
- SIMPSON, WILLIAM HAYS, (1930) A.B., A.M., Ph.D.
Instructor in Political Science 1408 Dollar Avenue
- SMITH, DAVID TILLERSON, (1930) A.B., M.D.
Professor of Bacteriology and Associate Professor of Medicine Hope Valley
- SMITH, HILRIE SHELTON, (1931) A.B., Ph.D., D.D., Litt.D.
Professor of Christian Ethics and Religious Education 1523 Hermitage Court
- SMITH, O. NORRIS, (1937) B.A., M.D.
Instructor in Medicine Greensboro, N. C.
- SMITH, ROBERT SIDNEY, (1932) A.B., A.M., Ph.D.
Assistant Professor of Economics 2236 Cranford Road
- SMITH, RUTH SLACK, MRS., (1927) A.B., A.M.
Instructor in Education and Associate Dean of Undergraduate Instruction, Woman's College 115 Faculty Apartments, East Campus
- SMITH, SUSAN GOWER, MRS., (1930) A.B., M.A.
Associate in Medicine Hope Valley
- SNIVELY, MARY HELEN, (1930) R.N., Anes.
Instructor in Anesthesia Horton Road
- SNYDER, LAURENCE HASBROUCK, (1940) B.S., M.S., Sc.D.
Visiting Lecturer in Medical Genetics
- SPENCE, BESSIE WHITTED, MRS., (1929) A.B., A.M., B.D.
Instructor in Biblical Literature Hope Valley
- SPENCE, HERSEY EVERETT, (1918) A.B., A.M., B.D., D.D., Litt.D.
Professor of Biblical Literature and Religious Education Hope Valley
- *SPENGLER, JOSEPH JOHN, (1934) A.B., M.A., Ph.D.
Professor of Economics Cranford Road
- SPONER, HERTHA, (1935) Ph.D.
Professor of Physics 813 Second Street
- SPRINGER, JOHN YOUNG, (1936) A.B., M.B.A.
Assistant Professor of Economics University Apartments
- SPRUNT, DOUGLAS HAMILTON, (1932) B.S., M.S., M.D.
Associate Professor of Pathology Hope Valley
- STEVENS, JOSEPH BLACKBURN, (1940) B.S., M.D.
Instructor in Medicine Duke Hospital
- STILL, BAYRD, (1938) A.B., A.M., Ph.D.
Assistant Professor of History Erwin Apartments
- STINESPRING, WILLIAM FRANKLIN, (1936) B.A., M.A., Ph.D.
Associate Professor of Old Testament 1107 Watts Street
- STRONG, FRANK R., (1941) B.A., LL.B.
Visiting Professor of Law 416 Carolina Circle
- STUART, CHRISTOPHER, JR., (1936) M.D.
Instructor in Urology 921 Monmouth Avenue

* Absent on leave, first semester, 1941-1942.

- SUGDEN, HERBERT WILFRED, (1929) A.B., A.M., Ph.D.
Assistant Professor of English University Apartments
- SUITT, ROBERT BURKE, (1940) M.D.
Associate in Neuropsychiatry University Apartments
- SULLIVAN, DANIEL JOSEPH, (1940) M.D.
Instructor in Neuropsychiatry Duke Hospital
- SUNDERLAND, ELIZABETH READ, (1939) A.B., A.M., Ph.D.
Instructor in Fine Arts University Apartments
- SWETT, FRANCIS HUNTINGTON, (1930) A.B., M.A., Ph.D.
Professor of Anatomy Hope Valley
- SYDNOR, CHARLES SACKETT, (1936) A.B., Ph.D.
Professor of History 116 Pinecrest Road
- TAYLOR, ALTON ROBERT, (1939) B.S., Ph.D.
Research Associate in Surgery 2023 Club Boulevard
- TAYLOR, HAYWOOD MAURICE, (1930) B.S., M.S., Ph.D.
Associate Professor of Biochemistry and Toxicology University Drive, Rockwood
- THEISS, ERNEST S., (1939) B.S. in M.E., M.S.
Instructor in Mechanical Engineering Southgate Dormitory
- THOMAS, JOSEPH MILLER, (1930) A.B., Ph.D.
Professor of Mathematics Cranford Road
- THOMAS, WALTER LEE, JR., (1937) A.B., M.A., M.D.
Assistant Professor of Obstetrics and Gynecology 415 Carolina Circle
- THOMPSON, EDGAR T., (1935) A.B., A.M., Ph.D.
Associate Professor of Sociology 138 Pinecrest Road
- THOMSON, ROY BERTRAND, (1938) B.S., M.F., Ph.D.
Associate Professor of Forest Economics University Apartments
- TRUESDALE, JAMES N., (1930) A.B., A.M., Ph.D.
Instructor in Greek Duke University
- *TUCKER, GORDON H., (1939) B.S., M.S., Ph.D.
Instructor in Zoology Chapel Hill, N. C.
- UPCHURCH, SAMUEL EARLE, (1933) B.A., M.D.
Instructor in Surgery Duke Hospital
- VAIL, CHARLES ROWE, (1939) B.S. in E.E.
Instructor in Electrical Engineering 1007 W. Trinity Avenue
- VANCE, MARY HENDREN, MRS., (1926) A.B., A.M.
Assistant Professor of English 208 Watts Street
- VAN VOORHIS, ROBERT HENRY, (1941) A.B., A.M.
Instructor of Economics Duke University
- VOLLMER, CLEMENT, (1926) A.B., A.M., Ph.D.
Professor of German 2114 Myrtle Drive, West Campus
- VON BECKERATH, HERBERT, (1935) Ph.D.
Professor of Economics and Political Science Hope Valley
- VOSBURGH, WARREN CHASE, (1928) B.S., M.S., Ph.D.
Professor of Chemistry 2319 Englewood Avenue
- WACKERMAN, ALBERT EDWARD, (1938) B.S., M.F.
Professor of Forest Utilization Dover Road, Hope Valley
- WADE, WALLACE, (1931) A.B.
Director of Physical Education, Trinity College Myrtle Drive, West Campus
- WALLACE, WILLIAM STUART, (1938) A.B., M.D.
Associate in Radiology Devon Road, Hope Valley

* Resigned, June 30, 1941.

- WALTON, LORING BAKER, (1929) A.B., Lic. ès L.
Associate Professor of Romance Languages 2235 Cranford Road
- WANNAMAKER, WILLIAM HANE, (1904) A.B., A.M., Litt.D.
Professor of German and Dean of the University and of Trinity College Myrtle Drive, West Campus
- WARD, CHARLES EUGENE, (1927) A.B., A.M., Ph.D.
Assistant Professor of English 110 Pinecrest Road
- WATERS, CHESTER H., JR., (1938) B.A., M.D.
Instructor in Orthopaedics Duke Hospital
- WATSON, JOHN D., (1939) A.B., B.S. in C.E., M.S., Sc.D.
Assistant Professor of Civil Engineering 913 S. Duke Street
- WATSON, KARL BRANTLEY, (1936) B.S., A.B., A.M., Ph.D.
Instructor in Education 1102 Virginia Avenue
- *WATSON, RICHARD L., JR., (1939) A.B., Ph.D.
Instructor in History 1104 Watts Street
- WAY, VERNON ELGIN, (1930) A.B., A.M., M.A.
Assistant Professor of Greek 909 Gregson Street
- WEBB, ALBERT MICAHAH, (1903) A.B., A.M.
Professor of Romance Languages 1017 Trinity Avenue
- WELFLING, WELDON, (1936) A.B., A.M., Ph.D.
Instructor in Economics Pickett Road
- WEST, ALFRED THURBER, (1930) B.S., A.M.
Assistant Professor of English 1112 Georgia Avenue
- *WHARTON, GEORGE WILLARD, JR., (1939) B.S., Ph.D.
Instructor in Zoology 2112 Englewood Avenue
- WHITE, MARIE ANNE, MRS., (1930) A.B., A.M.
Assistant Professor of English Chelsea Circle, Hope Valley
- WHITE, NEWMAN IVEY, (1919) A.B., A.M., Ph.D.
Professor of English Chelsea Circle, Hope Valley
- WIDGERY, ALBAN GREGORY, (1930) B.A., M.A.
Professor of Philosophy St. Catherine, Pinecrest Road
- WILBUR, RALPH SYDNEY, (1933) B.S. in M.E., M.E.
Professor of Mechanical Engineering 1317 Arnette Avenue
- WILLIAMS, JAMES WESLEY, (1937) A.B., B.S. in C.E.
Instructor in Civil Engineering 206 Swift Avenue
- WILSON, FREDERICK ELIPHAZ, (1923) A.B., A.M.
Assistant Professor of German 1020 Demarius Street
- WILSON, JOHN WOODROW, (1940) B.S., Ph.D.
Instructor in Zoology 905 Monmouth Avenue
- WILSON, ROBERT NORTH, (1910) A.B., M.S.
Professor of Chemistry 822 Third Street
- WILSON, ROBERT RENBERT, (1925) A.B., A.M., Ph.D., LL.D.
Professor of Political Science 717 Anderson Street
- WOLF, FREDERICK ADOLPHUS, (1927) A.B., A.M., Ph.D.
Professor of Botany 924 Urban Avenue
- WOODHALL, BARNES, (1937) A.B., M.D.
Assistant Professor of Surgery in Charge of Neuro-surgery Cole Mill Road
- WOODY, ROBERT HILLIARD, (1929) Ph.B., A.M., Ph.D.
Assistant Professor of History 2534 University Drive
- YATES, ANNE, (1933) A.B., A.M., Ph.D.
Assistant Professor of Biochemistry Cornwallis Road

* Absent on National Defense leave, 1941-1942.

- YOUNG, EDWARD HUDSON, (1923) A.B., A.M.
Assistant Professor of Romance Languages 13 Beverly Apartments
- *YOUNG, PAUL G., (1937) B.Ph., A.M.
Instructor in German 1306 N. Mangum Street
- YOUNGSTROM, KARL ARDEN, (1937) A.B., M.A., Ph.D.
Instructor in Anatomy Fir Street
- ZENER, KARL EDWARD, (1928) Ph.B., A.M., Ph.D.
Associate Professor of Psychology Sparger Road

-
- BATCHELDER, MARION FRANCIS, (1930) R.N.
Instructor in Nursing Administration and Supervision Duke Hospital
- CARPENTER, JAMES M., (1938) Ph.D.
Instructor (Part-time) in English 406 Buchanan Road
- CHAFFIN, NORA CAMPBELL, (1936) A.B., A.M.
Instructor (Part-time) in History Bassett House
- COLLOMS, LESTER HUBERT, (1939) A.B., B.D.
Instructor (Part-time) in Religion 1018 Monmouth Avenue
- DOWLING, ARTHUR JOSEPH, JR., (1939) A.B.
Instructor (Part-time) in English Duke University
- HARRIS, THERMAN WINFRED, (1940) A.B., M.S.
Instructor (Part-time) in Education 2003 Club Boulevard
- LAYNE, MARY ELIZABETH, (1940) B.S., M.S.
Instructor (Part-time) in Mathematics Duke University
- LEIGHTON, RICHARD, (1941) A.B., Ph.D.
Instructor (Part-time) in History Duke University
- LEVER, OSCAR WILLIAM, (1940) A.B., A.M., Ph.D.
Instructor (Part-time) in Biblical Literature Duke University
- MARTIN, WILLARD EDGAR, JR., (1937) A.B., A.M., Ph.D.
Instructor (Part-time) in English 812 Wilkerson Avenue
- MORWITZ, ERNEST M., (1939) D. Jur.
Teaching Fellow in Hellenistic Religions 2110 Wilson Street
- PRATT, LANIER WARD, (1940) A.B., A.M.
Instructor (Part-time) in Romance Languages 1002 Lamond Avenue
- REIN, WILLIAM CHRISTOPHER, (1940) A.B., M.Ed., Ph.D.
Instructor (Part-time) in Education 905 Sixth Street
- ROBINSON, ALICE BRADFORD, (1939) A.B., M.A.
Instructor (Part-time) in Fine Arts 1206 Markham Avenue
- WADE, LUTHER IRWIN, (1940) A.B., Ph.D.
Instructor (Part-time) in Mathematics 901 Sixth Street

INDUSTRIAL RESEARCH ASSOCIATES

- DARKIS, FREDERICK RANDOLPH Chemistry 1211 Alabama Avenue
 B.S., M.S., Ph.D., University of Maryland
- McLEAN, RUTH Chemistry 2 Powe Apartments
 A.B., Woman's College of the University of North Carolina; A.M., Duke University

INSTRUCTIONAL ASSISTANTS

- ADKINS, TROGLER FRANCIS, (1937) M.D.
Assistant in Obstetrics and Gynecology Duke Hospital
- BEARD, DOROTHY WATERS, (1938) R.N.
Research Assistant in Experimental Surgery Hillsboro, N. C.
- * Resigned, June 30, 1941.

BENNETT, RUTH BRUCE, (1940) A.B., M.M.S. <i>Assistant in Medical Social Service</i>	University Apartments
BRANNING, WILLIAM STERRY, (1940) B.S., M.D. <i>Assistant in Biochemistry</i>	Duke Hospital
BRYSON, EDWIN CONSTANT, (1931) <i>Assistant in Legal Aid Clinic</i>	1023 Sycamore Street
CARROLL, R. CHARMAN, (1939) A.B., M.D. <i>Assistant in Psychiatry</i>	Duke Hospital
CAYER, DAVID, (1939) B.A., M.D. <i>Assistant in Medicine</i>	Duke Hospital
CHRISTENSON, JAMES ANDREAS, (1940) A.B., Ph.D. <i>Psychologist</i>	Legion at Vineyard Street
COOPER, GERALD RICE, (1939) A.B., M.A., Ph.D. <i>Research Assistant in Biochemistry</i>	2105 Chapel Hill Road
CRAIG, JANE STANLEY, (1938) A.B. <i>Research Assistant in Anatomy</i>	308 Oakwood Avenue
CREADICK, ROBERT NOWELL, (1939) B.A., M.D. <i>Assistant in Obstetrics and Gynecology</i>	Duke Hospital
CUYLER, W. KENNETH, (1938) B.A., M.A. <i>Research Fellow in Endocrinology</i>	Randolph Road
ERICKSON, JOHN OTTO, (1939) B.S. <i>Research Assistant in Biochemistry</i>	Duke Hospital
GILBERT, GEORGE GAYLAND, (1939) B.S., M.D. <i>Assistant in Student Health</i>	Duke Hospital
GILL, ATTICUS JAMES, (1940) M.D. <i>Assistant in Pathology</i>	Duke Hospital
GOODMAN, ELIZA DOROTHY, (1934) R.N., Anes. <i>Assistant in Anesthesia</i>	407 Cook Street
HAINES, CHARLES EDGAR, JR., (1938) M.D. <i>Assistant in Urology</i>	Duke Hospital
HALL, COLLINS FREMONT, (1939) B.S., M.D. <i>Assistant in Otolaryngology and Ophthalmology</i>	Duke Hospital
HAMM, ALMA SMITH, (1937) R.N., Anes. <i>Assistant in Anesthesia</i>	409 Cook Street
HANDLER, PHILIP, (1939) B.S., M.S., Ph.D. <i>Assistant in Physiology and Nutrition</i>	University Apartments
HARDYMON, PHILIP BARBOUR, (1940) B.S., M.D. <i>Assistant on Private Medical Service</i>	University Apartments
HEMPHILL, JAMES EUGENE, (1940) B.A., M.D. <i>Assistant in Radiology</i>	2103 Pershing Street
HOLLISTER, WILLIAM FREDWIN, (1938) M.D. <i>Assistant in Surgery</i>	Duke Hospital
HORACK, HAROLD MACLACHLAN, (1940) M.D. <i>Assistant in Medicine</i>	2021 Sprunt Street
HOUGH, JOSEPH DAVID, (1938) B.A., M.D. <i>Assistant on Private Medical Service</i>	University Apartments
HUFF, JESSE W., (1940) B.S. <i>Assistant in Biochemistry</i>	Duke Hospital
JOHNSON, LAWRENCE CLIFFORD, (1940) B.A. <i>Fellow in Sociology</i>	Duke Hospital
KAMIN, HENRY, (1940) B.S. <i>Research Assistant in Biochemistry</i>	Duke Hospital

- KERBY, GRACE P., (1940) B.S.
Research Assistant in Pathology Duke Hospital
- KNIGHT, ALTON J., (1938) A.B., LL.B.
Assistant in Legal Aid Clinic 1404 North Duke Street
- LAMBETH, SAMUEL SUMMERFIELD, (1939) B.S., M.D.
Assistant in Medicine Duke Hospital
- LEE, ALBERT FRANCIS, (1938) B.S., M.D.
Assistant in Obstetrics and Gynecology 218 Legion Avenue
- LINCICOME, ROBERT CARL, (1939) M.D.
Assistant in Medicine Duke Hospital
- LOVELL, DURWARD LEE, (1937) M.D.
Assistant in Surgery 1115 W. Chapel Hill Blvd.
- MADDEN, JOHN HENRY MILLER, (1939) A.B., M.D.
Assistant in Medicine Duke Hospital
- MASON, MARY LOCHER, MRS., (1931) Diploma in Fine Arts,
 Teachers College, Columbia University
Assistant in Education Route No. 2, Durham, N. C.
- MILLER, CHARLES HENDERSON, (1934) A.B., LL.B.
Assistant in Legal Aid Clinic 2108 Club Boulevard
- MORTON, HENRY GEORGE, (1940) B.S., M.D.
Assistant in Pediatrics 926 Dacian Avenue
- MUNROE, COLIN ALEXANDER, (1939) B.S., M.D.
Assistant in Medicine Duke Hospital
- ORMANDY, LASZLO, (1940) M.D.
Fellow in Spastic Clinic Duke Hospital
- OULD, CARLTON LEE, (1939) A.B., M.D.
Assistant in Radiology Duke Hospital
- PARRISH, ALBERT ARCHER, (1939) A.B., M.D.
Assistant in Student Health 1002 Lamond Avenue
- PETTUS, WILLIAM HENRY, JR., (1937) B.S., M.D.
Assistant in Surgery 2316 W. Club Blvd.
- PHILLIPSON, ELMA O., (1938) A.B., M.A.
Assistant in Medical Social Service 209 Buchanan Road
- PULLEN, ROSCOE LEROY, (1940) B.A., B.M., M.D.
Clinical Fellow, Endocrine Division, Obstetrics and Gynecology Duke Hospital
- SARETT, HERBERT PAUL, (1939) B.A., M.S.
Assistant in Biochemistry House HH, Duke University
- SCHANHER, PAUL WELSTEAD, JR., (1939) B.A., M.D.
Assistant in Surgery Duke Hospital
- SCHLAYER, CLOTILDE, (1937) Ph.D.
Research Assistant in Medicine Washington Duke Hotel
- SCOTT, VIRGIL C., (1940) B.S., M.D.
Assistant on Private Medical Service Duke Hospital
- SEALY, WILL CAMP, (1936) B.S., M.D.
Assistant in Surgery Duke Hospital
- SMITH, PRESTON, (1932)
Assistant in Clinical Microscopy 114 E. Seeman Street
- STAINBROOK, EDWARD JOHN, (1940) A.B.
Psychologist 1005 Buchanan Road
- STUBBS, ALLSTON, (1935) A.B., LL.B., LL.M.
Assistant in Legal Aid Clinic University Apartments

THETFORD, JOSEPH DIMMICK, (1939) M.D. <i>Assistant in Medicine</i>	Duke Hospital
THORNHILL, EDWIN HALE, (1939) M.D. <i>Assistant in Otolaryngology and Ophthalmology</i>	Duke Hospital
TRENT, JOSIAH CHARLES, (1939) A.B., M.D. <i>Assistant in Surgery</i>	2318 W. Club Blvd.
VAN ARSDALL, CONDIT BREWER, JR., (1938) A.B., M.D. <i>Assistant in Medicine</i>	Duke Hospital
WEEKS, KENNETH DURHAM, (1939) B.S., M.D. <i>Assistant in Medicine</i>	Duke Hospital
WELLS, WARNER LEE, (1938) M.D. <i>Assistant in Surgery</i>	University Apartments
WHILDIN, JAMES GRIFFITH, (1939) B.S., M.D. <i>Research Fellow, National Cancer Institute, in Radiology</i>	208 Atlas Street
WILLIAMS, PAUL LELAND, (1938) M.D. <i>Assistant in Dermatology and Syphilology</i>	218 Legion Avenue
WILSON, DAVID A., (1939) B.A., M.A., M.D. <i>Assistant in Surgery</i>	Duke Hospital
WILSON, JAMES ALLEN, (1940) B.A., M.D. <i>Assistant in Endocrinology</i>	1112 B. Street
WISE, NANCY BOWMAN, (1937) A.B., M.D. <i>James A. Greene Research Fellow in Medicine</i>	University Apartments
WYVELL, DOROTHY BRYAN, (1940) A.B., M.D. <i>Assistant in Pediatrics</i>	Duke Hospital

INSTRUCTIONAL ASSISTANTS IN PHYSICAL EDUCATION TRINITY COLLEGE

CALDWELL, HERSCHEL, (1930) <i>Instructor in Physical Education; Coach of Freshman Sports</i>	1023 Markham Avenue
CAMERON, EDMUND McCULLOUGH, (1926) A.B. <i>Instructor in Physical Education; Head Coach of Varsity Basketball; Assistant Coach of Football</i>	Hope Valley
CARD, WILBUR WADE, (1902) A.B. <i>Instructor in Physical Education</i>	1110 Minerva Avenue
CHAMBERS, ROBERT LUTHER, (1933) B.S. in Ed. <i>Instructor in Physical Education; Head Coach of Varsity Track</i>	2633 Chapel Hill Road
*CLARK, MORRIS McCaULEY, (1939) A.B. <i>Assistant Instructor in Physical Education</i>	206 Watts Street
COOMBS, JOHN WESLEY, (1929) B.S. <i>Instructor in Physical Education; Head Coach of Varsity Baseball</i>	101 House DD, Craven Quadrangle
CRICHTON, MARSHALL, (1931) <i>Instructor in Golf</i>	Hope Valley
DEAN, DAYTON ROBERT, (1931) A.B. <i>Business Manager of Athletics</i>	University Apartments
FOGLEMAN, WILLIAM HARRY, (1935) A.B. <i>Instructor in Physical Education; Coach of Tennis</i>	University Apartments
GERARD, KENNETH, (1931) B.S. <i>Instructor in Physical Education; Director of Intramural Sports</i>	1209 North Duke Street

* Resigned, February 1, 1941.

- HAGLER, ELLIS, (1930) A.B.
Instructor in Physical Education; Coach of Varsity Golf; Assistant Coach of Football 220 Forest Wood Drive
- HILL, DAN WINFIELD, JR., (1939) A.B.
Assistant in Physical Education 206 Watts Street
- LEWIS, HUBERT MURRY, (1937) B.S.
Assistant Instructor in Physical Education and Track Duke University
- MONTFORD, ROBERT, (1940)
Assistant Instructor in Physical Education Duke University
- PERSONS, WALTER, (1930)
Instructor in Physical Education; Coach of Swimming; Coach of Lacrosse 104 Erwin Apartments
- STANLEY, DENNIS KEITH, (1939) A.B.E., M.Ed.
Instructor in Physical Education; Assistant Coach of Football Beverly Apartments
- WARREN, ADDISON, (1931) A.B.
Assistant Instructor in Physical Education 115 Dillard Street

INSTRUCTIONAL ASSISTANTS IN PHYSICAL EDUCATION THE WOMAN'S COLLEGE

- *BOOKHOUT, ELIZABETH CIRCLE, MRS., (1932) A.B., M.S.
Instructor in Physical Education 1307 Alabama Avenue
- DOWLING, MARY LOUISE, (1937) B.S.
Instructor in Physical Education and Recreation F-1-A University Apartments
- LEWIS, MARTHA MODENA, (1933) B.S.
Instructor in Physical Education and Dance 306 Erwin Apartments
- **MOIZE, VIVIAN, (1940) A.B.
Instructor in Physical Education 306 Erwin Apartments
- ROGERS, HARRIET ROWLEY, MRS., (1939) B.S., M.A.
Instructor in Physical Education and Hygiene 814 Second Street
- SMITH, NATALIE, (1940) B.A., M.S.
Instructor in Physical Education 306 Erwin Apartments

THE UNIVERSITY LIBRARIES

UNIVERSITY LIBRARY

- LUND, JOHN JORGENSEN, A.B., Ph.D., Certificate of Librarianship
University Librarian 921 Monmouth Avenue
- BREEDLOVE, JOSEPH PENN, A.B., A.M.
Librarian Emeritus 407 Watts Street
- TAUBE, MORTIMER, A.B., Ph.D., Certificate of Librarianship
In Charge of Book Selection and Acquisition 1109 N. Gregson Street
- NUERMBERGER, GUSTAVE ADOLPH, A.B., A.M., Ph.D., Certificate of Librarianship
Head Reference Librarian 1604 B Street
- PRATT, ELLIS CARL, A.B., A.B. in L.S.
In Charge of Technical Processes Chapel Hill Road
- GREENE, JANE, A.B., B.A. in L.S.
Head Order Librarian 1004 West Trinity Avenue

* Second semester, 1940-1941.

** First semester, 1940-1941.

MERRITT, GERTRUDE, A.B. <i>Head Serials Librarian</i>	1907 Club Boulevard
WESCOTT, MARY, A.B., B.S. <i>Head Cataloger</i>	1008 Monmouth Avenue
OYLER, HELEN, A.B., B.S. in L.S. <i>Head Circulation Librarian</i>	210 West Trinity Avenue
NUERMBERGER, MRS. GUSTAVE A., A.B., A.M., Ph.D., Certificate of L.S. <i>Curator of Manuscripts</i>	1604 B Street
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APSLER, ALFRED, Ph.D. <i>Reference Librarian</i>	819 Third Street
BENTZ, DALE M., A.B., A.B. in L.S. <i>Serials Cataloger</i>	GG-118, Duke University
BEVERS, MRS. EARL <i>Assistant in Charge, Work Room</i>	830 Wilkerson Avenue
BURCH, VELLA JANE, A.B., A.M., B.A. in L.S. <i>Cataloger</i>	316 N. Elizabeth Street
COVINGTON, LENA, A.B., A.B. in L.S. <i>Classifier</i>	1008 Monmouth Avenue
COX, MRS. A. LEROY, A.B. <i>Librarian in Charge, Divinity School Library</i>	Allenton Apartments
COX, VIRGINIA E., A.B. <i>Librarian in Charge, Chemistry Library</i>	1017 Gloria Avenue
DOUGLAS, ELINOR, A.B., M.A. <i>Assistant, Periodical Room</i>	2114 Myrtle Drive
DUKE, MRS. KENNETH L. <i>Secretary to the University Librarian</i>	2112 Englewood Avenue
FORLINES, MARTHA LANE, A.B. <i>Assistant, Circulation Department</i>	1014 Broad Street
FRAZIER, ROSE MARIE, B.S., B.M., A.B. <i>Librarian in Charge, Graduate Reading Room</i>	1107 Watts Street
FREY, ELLEN, B.A., M.A. <i>Reference Librarian</i>	905 Second Street
HIX, EDWIN JONATHAN, A.B. <i>Circulation Librarian</i>	127 Exum Street
HOPKINS, BERTHA, B.S., A.B. in L.S. <i>Serials Cataloger</i>	No. 11 Trinity Apartments
JETT, FLORENCE LEIGH, A.B., A.B. in L.S. <i>Bibliographer</i>	1011 Monmouth Avenue
KIMBALL, MRS. RALPH, A.B., B.S. in L.S. <i>Cataloger</i>	2112 Wilson Street
KLEIN, MRS. J. RAYMOND, Certificate of Librarianship <i>Serials Cataloger</i>	924 Green Street
LAND, PHOEBE, A.B., B.S. <i>Cataloger</i>	No. 11 Trinity Apartments
MCCLINTICK, MRS. KEITH <i>Assistant in Charge, Physics-Math. Library</i>	1801 Lakewood Avenue
MCMILLAN, LOUISE <i>Assistant, Serials Department</i>	14 Dollar Avenue
MAULTSBY, KATHLEEN, A.B. <i>Assistant, Serials Department</i>	1314 Broad Street
MONIER, EUGENIE <i>Librarian in Charge, Engineering Library</i>	1020 Monmouth Avenue

MONTAGUE, MARGARET, A.B. <i>Assistant, Catalog Department</i>	206 Parrish Place
MURRAY, AGNES M., A.B. <i>Bibliographer</i>	Faculty Apartments
OATHOUT, MELVIN, A.B., A.B. in L.S. <i>Librarian in Charge, Undergraduate Reading Room</i>	No. 6 Bickett Apartments
OATHOUT, MRS. MELVIN, B.S. <i>Documents Cataloger</i>	No. 6 Bickett Apartments
PARKER, WIXIE ELMA, A.B., B.S. in L.S. <i>Librarian in Charge, Periodical Room</i>	No. 7 Powe Apartments
PICKEN, MRS. ROBERT L., JR., A.B. <i>Assistant, Serials Department</i>	2002 Club Boulevard
POOLE, MARY ELIZABETH, A.B., B.A. in L.S. <i>Librarian in Charge, Documents Room</i>	407 Watts Street
POWERS, LEONARD, A.B. <i>Assistant in Charge, Biology Library</i>	HH-023, Duke University
RAMAGE, MARY ALLENE, A.B., B.A. in L.S. <i>Newspaper Librarian</i>	1003 Monmouth Avenue
ROBERTS, MRS. WESLEY <i>Assistant, Catalog Department</i>	609 Burch Avenue
ROSE, MRS. JESSE, A.B. <i>Reference Librarian</i>	804 Fourth Street
SHUFORD, MARY OPAL, A.B. <i>Junior Cataloger</i>	805 Sixth Street
SIEGEL, MRS. PAUL, A.B. <i>Assistant, Order Department</i>	222 Morris Street
STALLCUP, MARY JANE, B.S., B.A. in L.S. <i>Cataloger</i>	1017 Gloria Avenue
STRICKLAND, ERMA <i>Accessions Librarian</i>	911 Second Street
STROWD, ANNE, A.B. <i>Reference Librarian</i>	923½ Dacian Avenue
TATUM, WILLIAM GILCHRIST, JR., A.B. <i>Circulation Librarian</i>	1200 Markham Avenue
TILLEY, NANNIE M., A.B., A.M., Ph.D. <i>Assistant Curator of Manuscripts</i>	2313 Club Boulevard
WILKERSON, MRS. LUTHER C. <i>Secretary to the Librarian Emeritus</i>	613 Milton Avenue

WOMAN'S COLLEGE LIBRARY

GRIGGS, LILLIAN BAKER, MRS., B.A. in L.S. <i>Librarian</i>	915 Monmouth Avenue
<hr/>	
FAUCETTE, MARY ELIZABETH, A.B., A.B. in L.S. <i>Circulation Librarian</i>	610 East Trinity Avenue
HARRISON, EVELYN JENNINGS, A.B., B.S. in L.S. <i>Head Cataloger</i>	1008 Monmouth Avenue
HICKS, MRS. SPEARS, A.B., A.B. in L.S. <i>Reference Librarian</i>	121 West Seeman Street
HOBGOOD, MRS. BURKE, JR., A.B. <i>Assistant, Circulation Department</i>	2406 Highland Avenue

MURPHY, VIRGINIA BARDWELL, A.B., A.B. in L.S. <i>Cataloger</i>	1008 Monmouth Avenue
PARKER, ENID, A.B., M.A., B.A. in L.S. <i>Periodicals Librarian</i>	307 Faculty Apartments

LAW LIBRARY

ROALFE, WILLIAM ROBERT, LL.B. <i>Librarian</i>	111 W. Seeman Street
COVINGTON, MARY SIMMONS, A.B., LL.B. <i>Research Librarian</i>	Faculty Apartments
DAY, KATHERINE, B.S. <i>Assistant Cataloger</i>	512 Watts Street
LONG, MARIANNA, A.B., B.S. in L.S. <i>Head Cataloger</i>	1008 Monmouth Avenue
STUBBS, HAZEL MANGUM, MRS. <i>Assistant in Order Division</i>	University Apartments
WALKER, ANNIE CARPENTER, MRS. <i>Secretary to the Librarian</i>	2121 West Pettigrew Street

MEDICAL SCHOOL LIBRARY

FARRAR, JUDITH, A.B., B.S. <i>Librarian</i>	177 Faculty Apartments, East Campus
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UNIVERSITY CHAPEL

HICKMAN, FRANKLIN SIMPSON, A.B., A.M., S.T.B., Ph.D. <i>Dean of the Chapel</i>	823 Buchanan Road
BARNES, JAMES FOSTER, A.B., A.M. <i>Director of Choral Music</i>	Faculty Apartments
BREES, ANTON <i>University Carillonneur</i>	1111 Watts Street
BROADHEAD, EDWARD HALL, A.B., A.M., M.M. <i>University Organist</i>	1015 Dacian Avenue
BABCOCK, FARRAR JEANNE, A.B. <i>Assistant in Religious Activities, Woman's College</i>	Duke University
COTTINGHAM, W. THOMAS, JR., A.B. <i>Assistant in Religious Activities, Trinity College</i>	Duke University
*MOSS, FLORENCE, A.B. <i>Assistant in Religious Activities, Woman's College</i>	East Campus

PHYSICAL EDUCATION AND STUDENT HEALTH

WADE, WALLACE, A.B. <i>Director of Physical Education, Trinity College</i>	West Campus
GROUT, JULIA REBECCA, A.B., M.S. <i>Assistant Professor of Physical Education, Woman's College</i>	205 Jones Street
SPEED, JOSEPH ANDERSON, M.D. <i>Director of Student Health</i>	913 Dacian Avenue
CONGLETON, VIRGINIA LEE, (1941) A.B., M.D. <i>Resident Physician, Woman's College</i>	Duke University

* Resigned, June 30, 1941.

*MARTIN, JEAN McNUTT, B.S., M.D. <i>Physician, Woman's College</i>	Faculty Apartments
PAGE, WRAY RAMSEY, MRS., (1928) R.N. <i>Resident Nurse</i>	East Campus Infirmary
VESTAL, MOZELLE, (1931) R.N. <i>Resident Nurse</i>	East Campus Infirmary

SOCIAL AND MUSICAL ACTIVITIES

BARNES, EVELYN, B.S. <i>Head of Alspaugh House</i>	Alspaugh House
BARNES, JAMES FOSTER, MRS. <i>Director of the Woman's College Musical Clubs</i>	Faculty Apartments
CHAFFIN, NORA CAMPBELL, A.B., A.M. <i>Head of Bassett House</i>	Bassett House
DITLEVSON, ARLINE, (1941) A.B., A.M. <i>Head of Aycock House</i>	Aycock House
FEARING, ROBERT BEVERIDGE <i>Director of the College Orchestras and Band</i>	410 Watts Street
*FREEMAN, MAY, A.B. <i>Head of Aycock House</i>	Aycock House
KESTLER, MARY, A.B., A.M. <i>Head of Jarvis House</i>	Jarvis House
PEMBERTON, MARY NORCOTT, MRS. <i>Hostess, West Campus Union</i>	Kilgo Quadrangle, West Campus
TAYLOR, HARRIET, MRS. <i>Head of Giles House</i>	Giles House

ALDRIDGE, FRED SOULE, A.B., A.M. <i>Chaplain of Duke Hospital and Director of the Golden Cross</i>	East Campus
UPCHURCH, WALTER McGOWAN, JR., A.B., LL.B. <i>Financial Adviser, Student Activities</i>	Faculty Apartments

FELLOWS AND GRADUATE ASSISTANTS

UNIVERSITY FELLOWS

<i>Name</i>	<i>Department</i>	<i>Home Address</i>
ABBETT, CAROL HOPE A.B., Macalester College; A.M., University of Minnesota	History	Minneapolis, Minnesota
BENNETT, JOHN BOYCE A.B., Wofford College; B.D., Duke University	Religion	Durham, North Carolina
CARPER, DORIS VIOLA B.S., Farmville State Teachers College; A.M., Duke University	Education	Norfolk, Virginia
CIVIN, PAUL A.B., University of Buffalo	Mathematics	Buffalo, New York
COLLEY, FRANK HARRIS A.B., A.M., Duke University	History	Washington, Georgia
DECKER, JOHN PETER B.S., University of Idaho; A.M., Duke University	Botany	Ione, Washington

* Resigned, June 30, 1941.

DERR, PAUL FRANKLIN B.S., A.M., Duke University	Chemistry	West Hazelton, Pennsylvania
DIAMOND, STANLEY STUART A.B., University of Wichita; A.M., Haverford College	Political Science	Wichita, Kansas
DOWNTON, JAMES BERTRAM A.B., University of Buffalo	Greek	Buffalo, New York
ELMER, ROBERT WATSON A.B., Amherst College; A.M., Syracuse University	English	Durham, North Carolina
HARDCASTLE, AARON BASCOM A.B., A.M., University of Richmond	Zoology	Durham, North Carolina
HUDSON, BOYD ELLYSON, JR. A.B., Duke University	Chemistry	Toano, Virginia
LEWIS, HAROLD WALTER B.S., Middlebury College; A.M., University of Buffalo	Physics	Keene, New Hampshire
McDOUGALL, KENNETH DOUGAL Duke University	Zoology	Durham, North Carolina
MASTEN, GEDNEY RUSSELL A.B., A.M., Wesleyan University	Economics	Tenafly, New Jersey
RICHARDS, JAMES AUSTIN, JR. A.B., Oberlin College	Physics	Oberlin, Ohio
RUSSELL, CHARLES DANIEL, JR. B.S., Niagara University; M.S., California Institute of Technology	Chemistry	Niagara Falls, New York
SCHULTZ, HAROLD A.B., Columbia University; A.M., Duke University	History	Memphis, Tennessee
SKELL, PHILIP B.S., College of the City of New York	Chemistry	Bronx, New York
STAINBROOK, EDWARD JOHN A.B., Allegheny College	Psychology	Meadville, Pennsylvania
TEAGARDEN, LUCETTA JANE A.B., Wilson College; A.M., Duke University	English	Carmichaels, Pennsylvania
WADE, LUTHER IRWIN, JR. A.B., Duke University	Mathematics	Elkin, North Carolina
WOOD, FREDERIC MARCUS, JR. A.B., Western Reserve University; A.M., Duke University	Latin	Painesville, Ohio
WRIGHT, ERNEST BASKIN A.B., University of Alabama; A.M., University of Wisconsin	Political Science	University, Alabama

BROOKINGS-DUKE FELLOW

STURM, ALBERT LEE, JR. A.B., Hampden-Sydney College; A.M., Duke University	Political Science	Appalachia, Virginia
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GRADUATE ASSISTANTS

ABRAMOVITCH, BENJAMIN B.S., McGill University	Chemistry	Montreal, Quebec, Canada
AYRES, ERLE BINGHAM B.S., A.M., Boston University	Chemistry	Wollaston, Massachusetts
BARTON, ELEANOR PHILLIPS A.B., Woman's College of the University of North Carolina; A.M., Columbia University	Zoology	Greensboro, North Carolina
BECK, LLOYD HENRY A.B., A.M., Oberlin College	Psychology	Oberlin, Ohio
*BOYER, CHARLES CHESTER B.S., St. Bonaventure College; A.M., Duke University	Zoology	Scottsville, New York

* Resigned, February 11, 1941.

BRANDIS, ROYALL A.B., University of Richmond	Economics	Richmond, Virginia
BROWN, WALTER VARIAN A.B., M.S., Brown University	Botany	Lancaster, Massachusetts
BUFFINTON, JEAN A.B., A.M., Mount Holyoke College	English	Williamstown, Massachusetts
CAMPBELL, PHILIP STORER B.S., Bowdoin College	English	Portland, Maine
*COOKE, RUSSELL YALE, JR. A.B., Duke University	Economics	Charlotte, North Carolina
DIBELER, VERNON HAMILTON B.S., A.M., Duke University	Chemistry	Roselle Park, New Jersey
DOUGLASS, ANN ELIZABETH A.B., Swarthmore College	Psychology	New London, Connecticut
EAGER, HOWARD, JR. A.B., Duke University	Psychology	Ft. Sam Houston, Texas
ELLER, MEREDITH FREEMAN A.B., S.T.B., Boston University	Religion	Mapleville, Rhode Island
ERION, GENE LLOYD A.B., Doane College; A.M., University of Wisconsin	Economics	Omaha, Nebraska
FEAGINS, CARROLL SPURGEON A.B., Duke University; A.M., University of Michigan	Philosophy	Clearwater, Florida
FLEMISTER, LAUNCELOT JOHNSON, JR. A.B., A.M., Duke University	Zoology	Atlanta, Georgia
GARDNER, RALPH A. A.B., A.M., University of Kentucky	Philosophy	Somerset, Kentucky
GILMORE, PATRICIA A.B., Smith College; A.M., Duke University	English	Brooklyn, New York
GRUEN, EDWARD DIETRICH A.B., Dartmouth College	Economics	Dayton, Ohio
HAAG, VINCENT HAROLD B.S., Catawba College	Mathematics	Lebanon, Pennsylvania
HALL, MAURICE BARKER B.S., M.S., Brigham Young University	Physics	Santaquin, Utah
HARDENDORFF, VICTOR HALL A.B., Amherst College	English	North Amherst, Massachusetts
HAYES, WILLIAM ERNEST B.S., Rutgers University; A.M., Columbia University	Education	Somerville, New Jersey
HOLDER, RAY A.B., A.M., University of Mississippi	Religion	Lucedale, Mississippi
HOLDER, VIRGINIA LEE SMART A.B., Randolph-Macon Woman's College; A.M., Duke University	Latin	Portsmouth, Virginia
HOOPES, LUTHER HARTMAN A.B., Catawba College	English	York, Pennsylvania
HORTON, PAUL BURLEIGH A.B., Kent State University	Sociology	Rootstown, Ohio
HUMM, HAROLD JUDSON B.S., University of Miami	Botany	Coral Gables, Florida
HUMPHREYS, MARY EMILY A.B., Western Maryland College; A.M., Duke University	Botany	Berlin, Maryland

* Resigned, January 7, 1941.

JARNAGIN, MILTON PRESTON, JR. A.B., A.M., University of Georgia	Mathematics	Athens, Georgia
JOHNSON, LAWRENCE CLIFFORD A.B., State University of Iowa	Sociology	Iowa City, Iowa
JONES, JAMESON MILLER A.B., Southwestern; B.D., Louisville Presbyterian Theological Seminary	Religion	Corinth, Mississippi
JONES, RALPH GRAY A.B., A.M., Louisiana State University	Political Science	Jackson, Mississippi
KOCH, SIGMUND A.B., New York University; A.M., State University of Iowa	Psychology	New York, New York
*KRAUSE, JAMES BARBER, II A.B., University of Alabama	Zoology	Williamsport, Pennsylvania
**LENANDER, HARLAN EDWARD A.B., Southwestern College	Physics	Lindsborg, Kansas
LEVITSKY, IHOR ALEXANDER A.B., University of Rochester; A.M., University of Buffalo	Philosophy	Rochester, New York
LINSCHITZ, HENRY B.S., College of the City of New York	Chemistry	New York, New York
LIVINGSTON, ROBERT BLAIR A.B., Colorado College	Botany	Colorado Springs, Colorado
MCDUGALL, GORDON HOSMER B.S., Bowdoin College	Mathematics	Westford, Massachusetts
MCGEEHEE, WILLIAM OVERTON, JR. B.S., University of Virginia	Psychology	Kent, Virginia
MCINTYRE, WILLIAM RUSSELL B.S., A.M., Northwestern University	Sociology	Evanston, Illinois
MINNICH, LAWRENCE ARTHUR, JR. A.B., Princeton University	History	Lorain, Ohio
MITCHELL, WILLIAM ALEXANDER B.S., Clemson College; A.M., University of North Carolina	Political Science	Clemson, South Carolina
NEEL, SAMUEL REGISTER, JR. A.B., Emory and Henry College	Religion	Cumberland, Maryland
PARKER, ANNE ELIZABETH A.B., University of Chattanooga; A.M., Duke University	French	Chattanooga, Tennessee
PATTERSON, JAMES REID B.S., Davidson College	Physics	Durham, North Carolina
PETHICK, MARY GRACE A.B., Duke University	Botany	Durham, North Carolina
PRATT, LANIER WARD A.B., Davidson College; A.M., Duke University	French	Louisville, Kentucky
RANDALL, ELMA LOUISE A.B., John B. Stetson University	Zoology	Daytona Beach, Florida
RAPP, MARVIN AUGUST A.B., Colgate University; A.M., Duke University	History	Buffalo, New York
REYNOLDS, JOHN BRADLEY A.B., Duke University	Education	Mount Savage, Maryland
ROBERG, JANE B.S., University of Washington; A.M., Duke University	Physics	Bellingham, Washington

* Second semester only.

** Resigned, January 23, 1941.

ROBERTS, HENRY STOUTTE, JR. A.B., Mercer University	Zoology	Milledgeville, Georgia
SAXE, LEROY HALLOWELL, JR. B.S., Shippensburg State Teachers College; A.M., University of Pennsylvania	Zoology	Shippensburg, Pennsylvania
SCHNABEL, MARGARET JANE A.B., Oberlin College	Zoology	Lima, Ohio
*SHANNON, EDGAR FINLEY, JR. A.B., Washington and Lee University	English	Lexington, Virginia
SISK, GLENN NOLEN A.B., A.M., University of Alabama	History	Livingston, Alabama
SMITH, EDWIN STUDLEY B.S., Furman University	Chemistry	Augusta, Georgia
SMITH, WILLIAM JORDAN JOSEPH A.B., University of Texas	Economics	Dallas, Texas
STARLING, JAMES HOLT A.B., A.M., University of Alabama	Zoology	Durham, North Carolina
STEWART, PAUL DEKKER A.B., Hope College; A.M., Duke University	Political Science	Wash. College, Tenn.
STRICKLAND, IRMA SUROVY A.B., A.M., Hunter College	Economics	Atlanta, Georgia
TOMPSON, READE YATES B.S., Brown University	Chemistry	Attleboro, Massachusetts
VAN VOORHIS, ROBERT HENRY A.B., Duke University	Economics	Rutherford, New Jersey
WATTS, DANIEL THOMAS A.B., Elon College	Zoology	Elon College, North Carolina
WILLIAMS, MELVIN JOHN A.B., B.D., Duke University	Sociology	Durham, North Carolina
WILSON, CHARLES CHRISTOPHER B.S., University of Miami	Botany	Miami, Florida

GRADUATE SCHOLARS

ALDRIDGE, ALFRED OWEN B.S., Indiana University; A.M., University of Georgia	English	Buffalo, New York
AUXIER, CHARLES CARSON A.B., Berea College	Economics	Superior, West Virginia
**BARNES, JACK CARLISLE A.B., Duke University	English	Greensboro, North Carolina
BAXTER, JOSEPH RAY A.B., Berea College	History	Camp Dix, Kentucky
BRADSHAW, CATHERINE PAULINE A.B., College of St. Teresa; A.M., University of Minnesota	Greek	Kimball, South Dakota
BRONSON, ARTHUR HAROLD B.S., Syracuse University	Forestry	Brooklyn, New York
BRYAN, WILLIAM ALFRED A.B., College of Charleston; A. M., Duke University	English	Sumter, South Carolina
CLEVELAND, LESLIE JOSEPH A.B., Carleton College	History	International Falls, Minn.
CRAHEAD, FRANCES ANN A.B., Randolph-Macon Woman's College	Latin	Lynchburg, Virginia

* Second semester only.

** Resigned, February 19, 1941.

*EARLY, BENJAMIN SEISIGER A.B., A.M., University of Virginia	English	Richmond, Virginia
ERWIN, AUREL MANER A.B., Mercer University	French	Macon, Georgia
FAIRES, ROBERT EDGERTON B.S., Ohio University	Physics	Chesterhill, Ohio
GERVIN, SPENCER REX B.S., East Tennessee State Teachers College	Political Science	Johnson City, Tenn.
GOODMAN, WARREN HERBERT A.B., Brooklyn College	History	Brooklyn, New York
GOULD, ROBERT KENT A.B., A.M., Duke University	Chemistry	Hamburg, New Jersey
GRASTY, GEORGE MASON A.B., Washington and Lee University	German	Lexington, Virginia
HINSHAW, CLIFFORD REGINALD, JR. A.B., High Point College	History	High Point, North Carolina
HOSACK, ROBERT EWING A.B., College of Wooster; A.M., University of Chicago	Political Science	Durham, N. C.
KAMIN, HENRY B.S., College of the City of New York	Biochemistry	Brooklyn, New York
KIRK, RUSSELL AMOS A.B., Michigan State College	History	Plymouth, Michigan
KNEIPP, JANET PIERCE RETTEW A.B., Duke University	English	Harrisburg, Pennsylvania
KOZLOWSKI, THEODORE THOMAS B.S., Syracuse University	Forestry	Buffalo, New York
*MASSEY, CALVIN LEROY B.S., Colorado State College of Agriculture and Mechanics; A.M., Duke University	Forestry	Wheatridge, Colorado
MURDOCH, BERNARD CONSTANTINE B.S., Appalachian State Teachers College; M. Ed., University of Cincinnati	Education	Charlotte, North Carolina
OGDEN, JOHN PATTON A.B., Princeton University	History	New York, New York
SCHAEDLER, LOUIS CALVERN A.B., Wabash College	English	Racine, Wisconsin
SILK, LEONARD SOLOMON A.B., University of Wisconsin	Economics	Atlantic City, New Jersey
TOWNSEND, FRED A LIVERANT A.B., Duke University	English	York, Pennsylvania
TURNER, PHILIP ALLISON A.B., Hiram College	French	Hiram, Ohio
VONK, PAUL KENNETH A.B., Calvin College; A.M., University of Michigan	Philosophy	Grand Rapids, Michigan

* Second semester only.

UNDERGRADUATE COLLEGES

Trinity College
The Woman's College
The College of Engineering

1940-1941
ANNOUNCEMENTS FOR 1941-1942

THE COLLEGES

GENERAL STATEMENT

Duke University offers in Trinity College, the Woman's College, and the College of Engineering three academic degrees for undergraduate work: Bachelor of Arts, Bachelor of Science, and Bachelor of Science in Civil, Electrical, or Mechanical Engineering. Ten groups of studies lead to the degree of Bachelor of Arts, and two groups of studies lead to the degree of Bachelor of Science. These groups are designated by Roman numerals in the order in which they are described. For a description of these groups, see the section elsewhere in this catalogue under the topic "Groups of Studies for the Degree of Bachelor of Arts."

TRINITY COLLEGE

Trinity College is the undergraduate college for the men of Duke University and is situated on the West Campus along with the Graduate School of Arts and Sciences, the School of Law, the School of Medicine, the School of Nursing, the School of Forestry, and the School of Religion.

THE WOMAN'S COLLEGE

The Woman's College of Duke University is a college of arts and sciences within the University which provides for the instruction of undergraduate women as Trinity College provides for the instruction of undergraduate men.

The teachers of the College, many of whom teach also in Trinity College, are members of the University Faculty and are selected in co-operation with the several departments of instruction just as in the case of teachers of Trinity College, thus assuring a uniform educational standard. Graduates of the Woman's College, as graduates of all other colleges and schools within the University, receive their degrees from Duke University.

THE COLLEGE OF ENGINEERING

Duke University, through the College of Engineering, offers standard four-year courses in civil, electrical, and mechanical engineering. These departments are housed respectively in Bivins, Asbury, and Branson Buildings. The James H. Southgate Memorial Building, set aside for the housing of engineering students, contains social rooms, recitation rooms, gymnasium, dining room, and kitchen, as well as dormitory facilities.

THE LIBRARIES

The library resources of the University total 600,235 volumes and 637,404 manuscript pieces. Eighty-two foreign and domestic newspapers and 3,289 periodicals are received currently.

The University Library, in which the bulk of the collection is housed, is centrally located on the West Campus. The main Reference and Reading Room on the second floor contains about 6,000 volumes of important reference works. The Undergraduate Reading Room on the first floor, with seats for 180 readers, contains the regular open shelf course reserves and additional books for general collateral reading, the latter available for seven-day loan. This room thus provides an undergraduate reading collection of approximately 5,000 selected volumes. The Documents Room gives students access to the official publications of the federal and state governments. Seniors, honor students, and others undertaking special studies may be admitted to the stacks to facilitate their work. Libraries in the Chemistry, Physics, Biology, Engineering, and School of Religion buildings are a special convenience for students in these fields.

The Woman's College Library, which is one of the dominant units of the Georgian architecture of the East Campus, contains approximately 47,000 volumes. Among these are the books most constantly needed in the undergraduate work of women students. An attractive feature of the Library is the Booklovers' Room, comfortably furnished, where on open shelves students may find the newest books in various fields.

Undergraduate students also have free access to the library collections of the Medical and Law Schools.

ADMISSION TO TRINITY COLLEGE AND THE WOMAN'S COLLEGE

GENERAL REGULATIONS

Admission to Trinity College and the Woman's College of Duke University is on a selective basis, dependent upon the ability, attainments, and character of the applicant. No student is admitted until the Council on Admissions has received for him a scholastic record from school or college, a certificate of vaccination and of good health, and satisfactory evidence of good character and ability.

UNITS OF ADMISSION

The academic requirements for admission are defined in terms of units. A unit of credit is allowed for a subject of study pursued throughout an academic year at an accredited secondary school, if the course has demanded five recitations a week and the prescribed amount of work has been completed satisfactorily. Credit for fifteen units is required for admission.

The subjects in which this credit may be offered and the maximum amount of credit acceptable in each subject are given in the following table :

	UNITS		UNITS
English	4	Art	1
History and Social Studies.....	4	Botany	1
Latin	4	Chemistry	1
Mathematics	4	Economics	1
Spanish	3	General Biology	1
French	3	General Science	1
German	3	Music	1
Greek	3	Physical Geography	1
Commercial Subjects	3	Physics	1
Agriculture	2	Sociology	1
Household Economics	2	Zoology	1
Mechanical Drawing	2		
Woodworking, Forging, and Machine Work	2		

For a detailed explanation of the units in the table above, see the definitions as set forth by the Southern Association of Colleges and Secondary Schools and other regional associations.

ADMISSION BY CERTIFICATE

Applicants able to submit certificates of proficiency from accredited schools in subjects accepted for admission to the Freshman Class will be admitted without examination. These certificates must be properly made out on the regular blanks furnished by the University, signed by the principal of the school from which the applicant comes, and presented before

or at the opening of the academic year. The applicant must have completed the course of the school from which he comes.

At least twelve of the fifteen units required for admission must come from the following:

	UNITS		UNITS
English	3 to 4	Mathematics	2 to 4
Foreign Language	2 to 6	Science	1 to 4
History and Social Studies...	1 to 4		

These twelve units must include three in English and two in mathematics. The units in mathematics must include one in algebra and one in plane geometry.

The three additional units necessary to make the required fifteen may come from the list above or from the larger table of units of admission.

ADMISSION BY EXAMINATION

Students who present fifteen units for admission from schools not accredited by the University are required to validate their units by entrance examinations and such other tests as the University may prescribe.

Students who have not the required units in English or in mathematics but who are otherwise acceptable must, before admission, clear this deficiency by examinations.

ADMISSION TO ADVANCED STANDING

Students may be admitted to advanced standing from other approved institutions under the following conditions: all applicants must have fulfilled the equivalent of the requirements for admission to the Freshman Class, must present official certificates of all work done in other institutions, and have honorable dismissal from the institutions they previously attended.

Applicants for advanced standing should present, so far as possible, subjects corresponding to those required at Duke University. Students admitted to advanced standing may not during their first semester elect more than the minimum number of hours required of the class which they enter except by permission of the Dean. Further, in addition to other requirements, a minimum of one full year in residence at Duke University with the satisfactory completion of at least thirty semester-hours of work approved for Seniors, with an average grade of "C," is required of all candidates for the Bachelor's degree.

Students enrolling for the Bachelor's degree who transfer from junior colleges or from four-year colleges not affiliated with the Southern Association, or a similar regional association, are under all circumstances required to continue for at least one semester in Trinity College and in the Woman's College the foreign language they present for minimum graduation requirements.

Students who have transferred from junior colleges or from four-year colleges not affiliated with the Southern Association, or a similar regional

association, must present laboratory notebooks in all science courses that are offered for advanced credit.

Students who have transferred from other colleges must, in order to make their provisional classification final, pass during their first year of residence not less than the equivalent of four year-courses with an average grade of "C" or higher.

FRESHMAN WEEK

The week immediately preceding the opening of college is set aside for the induction of Freshmen. During this period health examinations, psychological tests, and placement tests are given, on the basis of which Freshmen are sectioned in English, mathematics, and foreign languages. The Freshmen are divided into groups for instruction in the use of the Library, in the regulations of the student body, and in all matters pertaining to the adjustment of the individual to the new environment. Attendance upon these exercises is required of all Freshmen.

SPECIAL STUDENTS

Students of mature age may, upon approval by the Dean, be admitted as special students and allowed to enroll for such work as they are prepared to carry.

REQUIREMENTS FOR THE DEGREE OF BACHELOR OF ARTS

GENERAL REGULATIONS

The requirements for the degree of Bachelor of Arts are designed to give the students such training in certain fundamental subjects as is essential for intelligent, educated citizens. The requirements also provide the opportunity for as wide an election as possible from courses of study which are both interesting and practically helpful in connection with vocations the students plan later to pursue.

Credit for one hundred and twenty-two semester-hours, on which an average grade of "C" must be made, is required for the degree of Bachelor of Arts in all groups. In addition to these requirements all candidates for the Bachelor of Arts must complete, with an average grade of "C" or better, physical education to the equivalent of six semester-hours. In Trinity College the physical education requirement is completed by the end of the Sophomore year; in the Woman's College, by the end of the Junior year.

The Faculty has authorized the groups of studies below for the guidance of students in selecting the work required for graduation. A student is free to choose any group he may desire. The several groups are designed to be of special value in a chosen profession and at the same time to provide a well-balanced course of study. With the approval of the Dean a student may at any time transfer from one group to another. In such transfers, work done in one group and not prescribed in the other will count as general elective credit, but all work prescribed in the new group must be completed before the student can be graduated.

No student is permitted to take less than fourteen semester-hours of work without special permission from the Dean; to take more than the normal load of work (fourteen to seventeen semester-hours) unless his average grade in the preceding semester is higher than "C"; or, under any conditions, to take more than nineteen semester-hours of work, exclusive of required physical education.

On or before the date announced for the spring registration every student is required to designate the group in which he plans to graduate and to arrange his program of courses for the ensuing year. All students, when choosing courses, are urged to seek the advice of instructors in whose departments they expect to receive instruction. No course card is valid until it has the approval of the Dean.

SPECIAL REGULATIONS

The following special rules applying to the selection of courses are authorized by the Faculty:

The total amount of work that a student, other than an Honors student, may take in any one department toward the Bachelor of Arts degree is limited to a maximum of thirty-six semester-hours; with the exception that a student whose principal work is in the Departments of English, Economics, or Romance Languages may be permitted to take additional work in subdepartments not to exceed a total in the department and the subdepartments of fifty-four semester-hours.

Candidates for the degree of Bachelor of Arts whose courses of study permit may elect work from the following subjects: engineering, not to exceed eighteen semester-hours; forestry, not to exceed eighteen semester-hours. The courses elected in these departments must be those approved by the Council on Undergraduate Instruction as appropriate for the Bachelor of Arts degree and published in the *Bulletin of Undergraduate Instruction*. The classification of these courses, as they affect divisions of concentration and restricted electives, is left to the student's major adviser and to the Dean.

No Senior may take for graduation credit any course primarily open to Freshmen; and no Junior may take for graduation credit more than one course primarily open to Freshmen. A list of these courses is published in the *Bulletin* under "Courses of Instruction."

Not more than one course of six or eight semester-hours of credit in final fulfillment of the requirements for the degree of Bachelor of Arts in Duke University may be taken in another institution of approved standing, and this course must first be approved by the head of the department concerned and by the Dean.

MINIMUM UNIFORM REQUIREMENTS FOR ALL GROUPS

The following requirements are authorized for all groups:

	S.H.
English Composition*	6
Natural Science**	8
Economics, History, or Political Science***	6
Religion	6

In addition to the above requirements, at least the third college year of a foreign language must be completed.****

* This requirement is normally met by the completion of English 1 and 2. However, a Freshman who satisfies the Department of English of his superior ability in composition may substitute another English course for the normal requirement.

** A student who does not present for entrance an acceptable unit of science must take sixteen semester-hours of science for graduation.

*** A student who does not present for entrance two acceptable units of history (exclusive of other social science work) must take history as his required work; otherwise he may fulfill this requirement in any one of the three subjects.

**** Students who begin their language requirements in college are expected to follow the sequence of courses laid down by the department whose work they take and can omit only such course or courses as may be approved both by the department and the office of the Dean. Students who are granted the privilege of completing their language requirement by taking only six semester-hours in college must first pass, with at least a grade of "C," a special examination covering the work of the second college year. In addition, they must make at least an average of "C" on the work of the third college year. If a Freshman presents for entrance four units of Latin, he may satisfy his language requirements by taking either two years of Latin or two years of Greek.

Of these minimum requirements, at least three courses, including English and foreign language, should be taken in the Freshman year, and all of them, except foreign language and religion, by the end of the Sophomore year.

The courses primarily open to Freshmen and the courses that will satisfy the requirements in history, science, and religion are listed under "Courses of Instruction."

GROUPS OF STUDIES FOR THE DEGREE OF BACHELOR OF ARTS

GROUP I

GENERAL

This group is based on the traditional requirement for the degree of Bachelor of Arts. Students who choose it must complete the minimum uniform requirements for graduation; forty-two semester-hours in a division of concentration, exclusive of courses open primarily to Freshmen (in the Division of the Natural Sciences a maximum of eight hours of Freshman work is permitted in the forty-two hours mentioned above); twelve semester-hours of restricted electives in the other divisions; and free elective work sufficient to complete, with an average grade of "C," the one hundred and twenty-two semester-hours necessary for graduation. The departments of instruction, for purposes of concentration, are grouped in three divisions:

Humanities: English, Fine Arts, German, Greek, Latin, Music, Philosophy, Romance Languages.
Social Science and History: Economics, Political Science, Education, History, Religion, Sociology.
Mathematics, Psychology, and Natural Science: Botany, Chemistry, Geology, Mathematics, Physics, Psychology, Zoology.

The forty-two semester-hours in the division of concentration must be distributed as follows: eighteen to twenty-four semester-hours in a major department and eighteen to twenty-four semester-hours in at least two other departments of the same division with a minimum of six semester-hours in each department. The minimum number of hours required by the department for a major shall not include any course open primarily to Freshmen. Introductory courses above the Freshman level are to be counted or not at the discretion of the department concerned.

For purposes of concentration certain courses listed in the same department are considered as being in different departments; namely, courses in French, Italian, and Spanish. Likewise, courses in economics and business administration are reckoned as being in different departments. Also a student taking his major work in English literature may count courses in English composition, dramatic technique, or public speaking as part of his related work in the same division.

The twelve semester-hours of restricted electives must be taken in one or both of the divisions not chosen for concentration, with a minimum of six semester-hours in any one department of these divisions.

Attention is called here to a special regulation governing all groups leading to the Bachelor of Arts degree which limits the amount of work a student, other than an Honors student, may take in any one department to a maximum of thirty-six semester-hours, with the proviso that a student whose principal work is in the Departments of English, Economics, or Romance Languages is permitted to take additional work in sub-departments not to exceed a total in the department and the sub-departments of fifty-four semester-hours.

The remaining hours necessary for graduation, after the minimum uniform requirements, the division of concentration, and the restricted electives are satisfied, are open as free electives.

On or before the date announced for the spring registration every Sophomore in the General Group should designate his division of concentration and his major department, and arrange under the guidance of an instructor in the major department his program of studies for the following year. He should obtain the instructor's written approval of all courses selected in the division of concentration before submitting his program to the Dean for final action. In like manner, upperclassmen will recheck their courses in their divisions of concentration each year with representatives of their major departments.

GROUP II

BUSINESS ADMINISTRATION

This group is designed for students who enter college with the purpose of engaging in some form of business activity after graduation. The required work consists of the minimum uniform requirements and the courses specified below.

The following arrangement of specified courses is recommended for students electing this group:

Freshman Year: Economics 11,* Mathematics 3-4, or equivalent.
Sophomore Year: Economics 51-52, 57-58, Political Science 61-62.
Junior Year: Economics 143, 138.**
Senior Year: Economics 153-154, 181-182.

In addition to the courses specified above, a student in this group must elect twenty-one semester-hours from other courses in the Department. Six semester-hours of this elective work shall be selected from courses in the two-hundred group offered for Seniors and Graduates. With the permission of the Chairman of the Department students planning to take the examination to qualify as a Certified Public Accountant may be released from this requirement.

All elective work in economics must be approved in writing by the Director of Undergraduate Studies.

* This course is recommended but not required.

** With the permission of the Department, students specializing in accounting may substitute for this course one in that subject.

GROUP III

RELIGION

This group is designed for students who plan to enter the ministry or other religious work as a vocation after graduation. The required work consists of the minimum uniform requirements and the courses specified below.

The following arrangement of specified courses is recommended for students electing this group:

Freshman Year: Religion 1-2.
 Sophomore Year: Religion (6 hours), Economics 51-52 or Political Science 61-62, English Literature (6 hours).
 Junior Year: Religion (6 hours), Psychology 101.
 Senior Year: Religion* (12 hours), Sociology (6 hours), Philosophy (6 hours).

GROUP IV

PRE-MEDICAL

Students qualifying for college graduation in this group must complete, in addition to the minimum uniform requirements, forty-two semester-hours in a division of concentration (subject to the regulations of the General Group), twelve semester-hours of restricted electives in one or both of the other divisions with at least six semester-hours in one department, and certain specific requirements as noted below. These specific requirements may count as part of the divisional concentration (if the division of concentration is the Natural Sciences) or they may count as restricted electives if another division of concentration is chosen. The foreign language should be German or French, preferably the former and including German 107-108.

The normal division of concentration for students electing this group is that of the Natural Sciences. However, the student may elect any one of the other two divisions for his divisional concentration. In this case, it may be necessary for him to complete more than one hundred and twenty-two semester-hours for his degree. If, however, the student chooses the Natural Sciences for his division of concentration, he is urged to take as much elective work as possible in the Divisions of the Social Studies and the Humanities.

Completion of English 1 and 2; Chemistry 1-2, 61-70, 151-152; Physics 51-52; and Zoology 1-2 will satisfy the minimum course recommendations of the Association of American Medical Colleges. Many medical schools advise the completion of additional courses in these and in other subjects. The pre-medical student should ascertain the requirements of the particular medical school that he expects to attend.

The following arrangement of the courses in science is suggested:

Freshman Year: Chemistry 1-2, Zoology 1-2, Mathematics 7-8, or equivalent.
 Sophomore Year: Chemistry 61-70, Physics 51-52.
 Junior Year: Chemistry 151-152.

* Not more than six semester-hours of electives may be taken in the Department of Religion.

GROUP V**COLLEGE TEACHING**

This group is designed for students who plan to do work in a graduate school and teach in college. The required work consists of the minimum uniform requirements and the work specified below:

French and German through the second year of college work.* Since one of these languages may be taken through the third year of college work to satisfy the minimum uniform requirements, only the one not taken thus must be chosen to meet the conditions of this group.

Twenty-four semester-hours of work in the major subject, exclusive of work in the subject offered primarily for Freshmen; twelve semester-hours of work in related subjects approved by the student's Departmental Adviser; twelve semester-hours in education, philosophy, and psychology, or in any one, not including any courses in secondary or elementary school methods.

Elective work, not to be taken in the major department, sufficient to complete the one hundred and twenty-two semester-hours necessary for graduation.

At least twelve semester-hours of the work taken in the Senior year must be in courses open only to Seniors and Graduates.

GROUP VI**PUBLIC SCHOOL TEACHING**

This group is designed for two classes of students: (a) those who plan to teach in secondary schools; (b) those who plan to teach in elementary schools.

The required work consists of the minimum uniform requirements and the requirements listed under one of the classes below, according as the student expects to teach in a secondary school or in an elementary school.

CLASS A: SECONDARY SCHOOL TEACHING

Students in this class are required to take:

Eighteen semester-hours in education, of which three semester-hours may be in general psychology. The work in education must include three semester-hours in directed observation and practice teaching, three semester-hours in educational psychology, and three semester-hours in secondary education.

Six semester-hours, three each, in materials and methods, in two fields of high-school teaching.

Work in the subject matter of the two subjects the student intends to teach, sufficient to satisfy the minimum requirements as listed in the table below:

English, twenty-four semester-hours, to include the six of required work in composition, six in English literature, and six in American literature.
French, eighteen semester-hours, based on the usual two units for admission.
German, Spanish, and Greek, the same requirements as for French.

* Greek or Latin may be substituted for either French or German.

History, eighteen semester-hours, including six each in American, ancient and medieval, and modern European history, and six semester-hours of economics or political science. It is recommended to prospective teachers of history and related subjects that they take elective work in sociology, geography, and at least a semester each in economics and political science. Latin, eighteen semester-hours based on the traditional four units for admission.

Mathematics, fifteen semester-hours.

Music, thirty semester-hours.

Physical Education, twelve semester-hours.

Science, thirty semester-hours, including elementary courses in biology, chemistry, physics and geography or geology.

A student may prepare to teach only one high-school subject by taking a major of twenty-four semester-hours in that subject (physical education excepted) in addition to the general required work in Class A, the required work in education and psychology, and the specifically required work in directed observation and materials and methods in the subject chosen.

Elective work sufficient to complete the one hundred and twenty-two semester-hours for graduation. It is recommended that the elective work be chosen in the two subjects the student is preparing to teach and in the Division of Social Science, provided the total amount of work taken in any department may not exceed the total allowed in Group I.

Students who are preparing to teach are warned to read carefully the certification rules of the state in which they are going to teach and to advise fully with the Dean before electing courses in subjects they are preparing to teach. They are further warned to take their professional courses in the order outlined by the Department of Education, reserving for their Senior year courses in materials and methods and in directed observation and practice teaching.

At least twelve semester-hours of the work in the Senior year must be in courses open only to Seniors or to Seniors and Graduates.

CLASS B: ELEMENTARY SCHOOL TEACHING

Students in this class conform to the general requirements of Group I. Education is treated as a major department, and the Social Science Division as the division of concentration. In addition to the general requirements of Group I, the following specific requirements must be met:

	S.H.
English	3 or 6
American History and Government.....	6 or 9
Geography	6
Physical Education and Hygiene.....	6

These special requirements are reckoned in each case as a part of the appropriate division of concentration. The student in Class B should take Education 8 in the first semester of his Freshman year and advise with the Department as to an appropriate course for the spring semester. In all other particulars his course follows the General Group for the first year.

The following arrangement of courses is recommended for Freshmen entering the Teaching Group. The work for the following years will be arranged by the Department of Education.

FRESHMAN YEAR

	S.H.
English	6
Foreign Language	6
Science	8
History or elective*	6
Education or elective**	6
	<hr/>
	32

GROUP VII

PRE-LEGAL

This group is designed for students who expect to study law after graduation. The required work consists of the minimum uniform requirements*** and the courses specified below.

The following arrangement of specified courses is recommended:

- Freshman Year: Introductory Course in History (1-2 if taken in the Freshman year or 51-52 if taken thereafter).
 Sophomore Year: Economics 51-52, Political Science 61-62.
 Junior Year: Economics 143, History 105-106, Psychology 101, and either English 151 or 152.
 Senior Year: Six semester-hours of Economics from courses approved for Seniors.

The electives should be chosen largely from the work offered by the following departments: Philosophy, Sociology, Economics, History, Psychology, and Political Science. The total work (required and elective) in any one department may not exceed thirty semester-hours.

At least twelve semester-hours of the electives in the Senior year must be Senior-Graduate courses.

GROUP VIII

SOCIAL SERVICE

This group is designed for students who purpose after graduation to pursue professional studies in order to engage in practical social welfare work, such as family welfare, child welfare, public welfare, probation and parole, and similar forms of neighborhood and community work. The required work consists of the minimum uniform requirements and the courses specified below. Zoology is recommended for the required course in science.

* History is an alternate with economics or political science in the minimum requirements when the student presents two units of history for admission.

** Students in Class B should take Education 8 the first semester and follow it with the course approved by the Department of Education the second semester; students in Class A follow the same plan or take any of the electives authorized for the General Group.

*** When there is overlapping, the minimum uniform requirements are accepted as a part of the special requirements in this group.

The following arrangement of specified courses is recommended for students electing this group:

Freshman Year: History 1-2.
 Sophomore Year: Economics 51-52, Sociology 91-92 or Sociology 101.
 Junior Year: Philosophy (6 hours), Political Science (6 hours), Psychology 101, Sociology (6 hours).
 Senior Year: Economics (6 hours), Psychology (6 hours), Sociology (6 hours).

The electives should be chosen mainly from history, economics, political science, education, sociology, philosophy, psychology, and religion.

The subjects required for the Junior and Senior years may be transposed according to the courses available in any particular year.

GROUP IX

ACADEMIC-LAW COMBINATION

Students in either of the Liberal Arts Colleges of Duke University may complete in six years a combined course whereby they will receive their academic degree and also the degree of Bachelor of Laws. This arrangement is made possible under the following recommendations of the Faculty of the Arts Colleges:

Students who have completed with not less than a "C" average at least ninety-six semester-hours of undergraduate work, including both the minimum uniform and the specific requirements, in the Pre-Legal Group of studies in Duke University may on the approval of the Dean of the undergraduate college transfer to the Law School of Duke University and become eligible for the Bachelor's degree on the satisfactory completion of the full twenty-six semester-hours of work of the first-year class in this school.

It is understood that this provision shall apply solely to eligible Duke University undergraduates, and that not less than the full first-year's work of the Law School will be acceptable for credit towards the Bachelor's degree.

GROUP X

HONORS

Purpose: Students who have revealed their desire and demonstrated their ability to do a type of intellectual work higher than that normally required for the liberal arts degree may apply to read for Honors during their last two college years. The aim of the Honors studies is to permit qualified undergraduates to attain a knowledge, both comprehensive and intensive, of a particular field, or fields, under conditions most stimulating to individual initiative and independence.

General Rules:

I. A student who has sixty-two semester-hours of work to his credit and who has completed the minimum requirements for graduation may apply to read for Honors. A departmental committee may, however,

permit students to take as much as twelve hours of the minimum uniform requirements in the Junior and Senior years provided that these are offset by the same number of hours in related subjects taken previously in courses not open primarily to Freshmen.

II. The Departmental Honors Program constitutes the work of the Honors student during the Junior and Senior years. This program shall be the equivalent of sixty semester-hours of work.

III. The minimum amount of work that may be taken in the major department shall be the equivalent of twenty-four semester-hours, and the maximum shall be the equivalent of thirty-six semester-hours.

IV. The related work, which constitutes at least two fifths of the Honors program, that is, the equivalent of twenty-four semester-hours, must be distributed among not less than two departments, unless the departmental committee gives special permission for the student to take his related work in one department.

Departmental Honors: Honors courses are available to qualified students in the following departments: Botany, Chemistry, Economics, Education, English, French, German, Greek, History, Mathematics, Physics, Psychology, Religion, and Zoology.

An undergraduate wishing to qualify for Departmental Honors usually enters the General Group during the Freshman year. At the close of the Sophomore year he may apply to read for Honors in a particular department. The requirements for admission to candidacy for Honors vary in the different departments. The student should consult the special requirements set forth in the "Departmental Honors Program." The Departmental Committee determines the eligibility of the various applicants for Honors reading within the department.

Students transferring from other institutions of approved standing at the close of the Sophomore year may be admitted to candidacy for Honors. Those wishing to read for Honors who expect to transfer at the close of the Sophomore year should communicate with Dean W. K. Greene, Chairman of the College Council on Honors, not later than April 15.

The work required of students in the Departmental Honors Group consists of (1) the minimum uniform requirements; (2) the program of Honors for the Junior and Senior years; and (3) elective work sufficient to complete the semester-hours necessary for graduation.

Study in a Department Honors course always includes work in regular open courses. In both Junior and Senior years it may, and usually does, also include work under special instruction (seminarial or tutorial) and assignments of independent reading.

All candidates who complete satisfactorily the minimum uniform requirements, a Departmental Honors course, and elective work sufficient to earn the necessary hours for graduation will be recommended by the Departmental Committee to the Dean of the College for graduation with Honors.

For brief outlines of the various plans for Departmental Honors the student should see the section, "Departmental Honors Program," among the offerings of each department listed above. Students are also urged to consult the Honors Adviser of the department in which they are primarily interested. A list of these Advisers follows:

Botany: Miss Addoms
 Chemistry: Mr. Vosburgh
 Economics: Mr. de Vyver
 Education: Mr. Holton
 English: Mr. Irving
 French: Mr. Webb
 German: Mr. Vollmer

Greek: Mr. Peppler
 History: Mr. Laprade
 Mathematics: Mr. Elliott
 Physics: Mr. Hatley
 Psychology: Mr. Zener
 Religion: Mr. Myers
 Zoology: Mr. Gray

REQUIREMENTS FOR THE DEGREE OF BACHELOR OF SCIENCE

GENERAL REGULATIONS

The general regulations governing the requirements for the degree of Bachelor of Science are the same as those for the degree of Bachelor of Arts.

SPECIAL REGULATIONS

The following special rules applying to the selection of courses are authorized by the Faculty:

The total amount of work that a student, other than an Honors student, may take in any one department toward the Bachelor of Science degree is limited to a maximum of thirty-six semester-hours; provided that a student whose principal work is in a department containing several subdepartments is permitted to take additional work in subdepartments not to exceed a total in the department and the subdepartments of fifty-four semester-hours.

No Senior may take for graduation credit any course primarily open to Freshmen; and no Junior may take for graduation credit more than one course primarily open to Freshman. A list of these courses is published in the *Bulletin* under "Courses of Instruction."

Not more than one course of six or eight semester-hours of credit in final fulfillment of the requirements for the degree of Bachelor of Science in Duke University may be taken in another institution of approved standing, and this course must first be approved by the head of the department concerned and by the Dean.

MINIMUM UNIFORM REQUIREMENTS FOR ALL GROUPS

The following requirements are authorized for all groups:

	S.H.
Economics, History, or Political Science*.....	6
English Composition**	6
French*** (second college year)	6-12
German*** (second college year)	6-12
Mathematics****	6
Natural Science*****	16
Religion	6

* A student who does not present for entrance two acceptable units of history (exclusive of other social science work) must take history as his required work; otherwise, he may fulfill this requirement in any one of the three subjects.

** This requirement is normally met by the completion of English 1 and 2 or 4. However, a Freshman who satisfies the Department of English of his superior ability in composition may substitute another English course for the normal requirement. If a student fails to pass English 1-2 with a grade of "C" or better, he must complete three additional semester-hours of composition.

*** All candidates for the degree of Bachelor of Science must complete at least the second year of both college French and college German or their equivalent as determined by examination.

**** This requirement must be satisfied by the completion of Mathematics 7-8, or equivalent.

***** All candidates for the degree of Bachelor of Science must complete eight semester-hours in each of two elementary sciences.

Of these minimum requirements, at least three courses, including English and foreign language, should be taken in the Freshman year, and all of them, except foreign language and religion, by the end of the Sophomore year.

The courses primarily open to Freshmen and the courses that will satisfy the requirements in history, science, and religion are listed under "Courses of Instruction."

GROUPS OF STUDIES FOR THE DEGREE OF BACHELOR OF SCIENCE

GROUP I

GENERAL

Students who choose this group are required to complete the minimum uniform requirements for graduation; forty-eight semester-hours in the Division of Mathematics, Psychology, and Natural Science, of which not less than twenty-four nor more than thirty-two semester-hours may be taken in a major department (the hours prescribed in the major department may not include a course primarily open to Freshmen); and free elective work sufficient to complete, with an average grade of "C," the one hundred and twenty-two semester-hours necessary for graduation.

The student's major work must be in botany, chemistry, forestry, geology, mathematics, physics, psychology, or zoology.

Attention is called here to a special regulation governing all groups leading to the Bachelor of Science degree which limits the amount of work a student, other than an Honors student, may take in any one department to a maximum of thirty-six semester-hours, with the proviso that a student whose principal work is in a department containing any approved sub-departments is permitted to take additional work in sub-departments not to exceed a total in the department and the sub-departments of fifty-four semester-hours.

On or before the date announced for the spring registration every Sophomore in the General Group should designate his major department in the division and arrange under the guidance of an instructor in the major department his program of studies for the following year. The student is at liberty to choose for his counsellor any instructor in his major department who gives advanced courses. He should obtain the instructor's written approval of all courses selected in the division before submitting his program to the Dean for final action. In like manner, upperclassmen will check their courses in the division each year with representatives of their major department.

GROUP II

PRE-FORESTRY

This group of studies is designed for students who intend to pursue the study of forestry, particularly as a profession. The first three years

are given largely to fundamental and auxiliary subjects basic to a proper understanding of the more specialized work in technical forestry, which ordinarily requires two additional years to complete. The fourth year of this curriculum is devoted entirely to the first year of technical forestry. Upon the satisfactory completion of this four-year pre-forestry curriculum a student is eligible for a Bachelor of Science degree from Duke University. With this basic preparation it is possible to obtain the professional degree of Master of Forestry in one additional year of work taken in the School of Forestry (see *Bulletin of the School of Forestry*).

In addition to the one hundred and twenty semester-hours required during the eight regular semesters, students in this group must, at the end of their Junior year, take twelve weeks of summer field work as outlined below. They must also present at least two units in either French or German before being admitted to candidacy within the Group and are advised, if possible, to present two units each in French and German. They must also take elementary economics as their required work in the social studies, and are therefore advised to present two high-school units in history.

The following arrangement of courses is recommended for students electing this group:

Freshman Year

FIRST SEMESTER		SECOND SEMESTER	
	S.H.		S.H.
Botany 1	4	Botany 2	4
Physics 1	4	Physics 2	4
English 1	3	English 2	3
Foreign Language	3	Foreign Language	3
	<hr/> 14		<hr/> 14

Sophomore Year

Chemistry 1	4	Chemistry 2	4
Mathematics 7	3	Mathematics 8	3
Religion	3	Botany 52	4
Engineering Drawing 1.....	2	Engineering Drawing 2	2
Foreign Language	3	Foreign Language	3
	<hr/> 15		<hr/> 16

Junior Year

Botany 151	4	Botany 156	4
Geology 51	4	Forestry (elective)	2
Economics 51	3	Economics 52	3
Foreign Language	3	Foreign Language	3
	<hr/> 14	Religion	3
			<hr/> 15

Summer Field Work: 12 weeks to include Civil Engineering S110 (Plane Surveying), 2 s.h.; Forestry S150 (Forest Surveying), 5 s.h.; Forestry S151 (Forest Mensuration), 4 s.h., which are required for further work in forestry.

Senior Year

Forestry 211	3	Forestry 212	3
Forestry 231	3	Forestry 224	4
Forestry 251	2	Forestry 254	2
Forestry 253	2	Forestry 264	3
Forestry 259	3	Electives	4
Forestry 261	3		
	<hr/>		<hr/>
	16		16

All elective courses must be selected in consultation with the Forestry Staff.

COURSES OF INSTRUCTION

TRINITY COLLEGE THE WOMAN'S COLLEGE

Note: Courses primarily for Freshmen are numbered from 1 to 49; those primarily for Sophomores are numbered from 50 to 99; those primarily for Juniors and Seniors from 100 to 199; those primarily for Seniors and Graduates from 200 to 299. The amount of credit for each course is given in semester-hours following the description of the course.

Odd-numbered courses are offered in the fall semester, and even-numbered courses are offered in the spring semester. Double numbers indicate that the course is a year course and must normally be continued throughout the year if credit is received. A student must secure written permission from the instructor in order to receive credit for either semester of a year course.

This is a condensed description of courses. For a full description see the Bulletin of Undergraduate Instruction.

COURSES OPEN PRIMARILY TO FRESHMEN

Botany 1-2	Latin 1-2-3, 4, 15, 16, 41, 42
Chemistry 1-2	Mathematics 1, 2, 3-4, 7, 8, 9-10
Economics 11	Music 11-12
Education 4, 8	Philosophy 48
English 1-2	Physics 1-2
Fine Arts 1-2	Political Science 21-22
French 1-2, 3-4	Religion 1-2
German 1-2, 3-4	Spanish 1-2, 3-4
Greek 15	Zoology 1-2
History 1-2	

BOTANY

PROFESSOR BLOMQUIST, CHAIRMAN; ASSOCIATE PROFESSOR KRAMER, DIRECTOR OF UNDERGRADUATE STUDIES; DR. ANDERSON, SUPERVISOR OF FRESHMAN INSTRUCTION; PROFESSOR WOLF; ASSOCIATE PROFESSOR HARRAR; ASSOCIATE PROFESSOR ADDOMS, SUPERVISOR OF FRESHMAN INSTRUCTION (WOMAN'S COLLEGE); ASSISTANT PROFESSORS OOSTING AND PERRY; DR. PAGÁN AND ASSISTANTS

- | | |
|---|-----------------------------|
| 1. General Botany.—4 s.h. | STAFF |
| 2. General Botany.—Prerequisite: Botany 1. 4 s.h. | STAFF |
| 51. Growth.—Prerequisite: one year of botany. 4 s.h. | ASSOCIATE PROFESSOR ADDOMS |
| 52. Plant Identification.—Prerequisite: one year of botany. 4 s.h. | ASSISTANT PROFESSOR OOSTING |
| 55. Morphology and Anatomy of Vascular Plants.—Prerequisite: one year of botany. 4 s.h. | ASSISTANT PROFESSOR OOSTING |
| 101. Principles of Heredity.—Prerequisite: one course in biology, botany, or zoology. High-school or college algebra recommended. 3 or 4 s.h. | ASSISTANT PROFESSOR PERRY |

103. General Bacteriology.—Prerequisite: one year of botany or zoology, or equivalent. 4 s.h. PROFESSOR WOLF

104. The Structure and Identification of Lower Plants.—Prerequisite: one year of botany. 4 s.h. DR. ANDERSON

151. Introductory Plant Physiology.—Prerequisite: Botany 1, 2, or equivalent; one year of chemistry recommended. 4 s.h.

ASSOCIATE PROFESSOR KRAMER

156. Plant Ecology.—Prerequisites: Botany 1, 2, and 52, or equivalent. 4 s.h. ASSISTANT PROFESSOR OOSTING

202. Genetics.—Prerequisites: one year of botany or zoology, or equivalent, and college algebra. 4 s.h. ASSISTANT PROFESSOR PERRY
[Not offered in 1941-42]

203. Plant Cytology.—Prerequisite: one year of botany. 4 s.h.

DR. ANDERSON

204. Advanced Plant Anatomy.—Prerequisite: Botany 55 or equivalent. 4 s.h. ASSOCIATE PROFESSOR ADDOMS

216. Botanical Microtechnique.—Prerequisite: two semesters of botany. 4 s.h. DR. ANDERSON

221. Structure and Classification of Fungi.—Prerequisite: two semesters of botany. 4 s.h. PROFESSOR WOLF

225-226. Special Problems.

a. Bacteriology, Mycology, and Plant Pathology. PROFESSOR WOLF

b. Cytology. DR. ANDERSON

c. Ecology. ASSISTANT PROFESSOR OOSTING

d. Genetics. ASSISTANT PROFESSOR PERRY

e. Morphology and Anatomy of Higher Groups. ASSOCIATE PROFESSORS HARRAR AND ADDOMS;
ASSISTANT PROFESSOR OOSTING

f. Morphology and Taxonomy of Lower Groups. DR. PAGÁN AND DR. ANDERSON

g. Physiology. ASSOCIATE PROFESSORS KRAMER AND ADDOMS

h. Plant Microchemistry. ASSOCIATE PROFESSOR ADDOMS

i. Taxonomy of Higher Groups. ASSISTANT PROFESSOR OOSTING

252. Advanced Plant Physiology.—Prerequisite: Botany 151 or equivalent; organic chemistry recommended. 4 s.h. ASSOCIATE PROFESSOR KRAMER
[Not offered in 1941-42]

255. Advanced Taxonomy.—Prerequisite: two years of botany, including Botany 52, or equivalent. 4 s.h. PROFESSOR BLOMQUIST
[Not offered in 1941-42]

256. Field Ecology.—Prerequisites: Botany 1, 2, and 52, or equivalent. 4 s.h. ASSISTANT PROFESSOR OOSTING

FOREST BOTANY

224. Forest Pathology.—Prerequisites: Botany 1, 2, 3 or 4 s.h. PROFESSOR WOLF

253-254. Dendrology.—Prerequisite: one year of botany. 4 s.h. ASSOCIATE PROFESSOR HARRAR

Related courses which may be counted toward a major in Botany.

Zoology 110. *Introduction to Genetics*. 2 s.h.

DR. JOHNSON

DEPARTMENTAL MAJOR

Prerequisites: Botany 1 and 2.

Major Requirements: A minimum of twenty-one hours of work including courses 52, 55, and 104. The remaining hours may be selected from any other courses in the Department for which the student is eligible, subject to the approval of the Departmental Adviser.

DEPARTMENTAL HONORS PROGRAM

I. *Prerequisites:* Botany 1-2. A year course in each of three other sciences acceptable to the Departmental Committee. Some of these may be taken concurrently with the Honors work.

II. *Honors Work:*

a. Botany.

1. Scheduled courses. At least 5 courses (18-20 semester hours) beyond Botany 1-2.
2. Reading Courses and Problems, chiefly in the Senior year. Nine semester-hours. In addition to scheduled courses, each Honors student will take reading courses in such fields as History of Botany and Theories of Biology; or he may take reading courses in special fields; or he may undertake a special problem; or he may carry on both reading and a problem. This work will count as nine semester-hours and will extend through a year at least. The student will report to his Adviser regularly for conference on this work. He may be asked to prepare written reports on the reading courses, and he must make a report on his problem.

b. Philosophy—6 semester-hours.

c. Electives in Botany or in other departments, subject to the approval of the Departmental Committee.

III. *General Honors Examination:* In the spring semester of the Senior year, each student must pass a general examination on the entire field of his Honors work. The Examining Committee consists of the Departmental Committee and such Advisers as have been concerned with his Honors work. The student must present a written report upon his problem and such written reports upon his reading as may be required, before he is permitted to take the general examination.

CHEMISTRY

PROFESSOR GROSS, CHAIRMAN; PROFESSOR VOSBURGH, DIRECTOR OF UNDERGRADUATE STUDIES; ASSISTANT PROFESSOR HILL, SUPERVISOR OF FRESHMAN INSTRUCTION; PROFESSORS LONDON AND WILSON; ASSOCIATE PROFESSOR BIGELOW; ASSISTANT PROFESSORS BROWN, HAUSER AND SAYLOR; DRs. BRADSHER AND HOBBS;
AND ASSISTANTS

1-2. General Inorganic Chemistry.—8 s.h.

ASSISTANT PROFESSOR HILL WITH PROFESSOR WILSON; ASSISTANT PROFESSORS BROWN AND SAYLOR; DRs. BRADSHER AND HOBBS;
AND ASSISTANTS

61. Qualitative Analysis.—Prerequisites: Chemistry 1-2 and algebra. 4 s.h.

PROFESSOR VOSBURGH; ASSISTANT PROFESSOR SAYLOR;
DR. HOBBS; AND ASSISTANTS

- 70. Quantitative Analysis.**—Prerequisite: Chemistry 61. 4 s.h.
 PROFESSOR VOSBURGH; ASSISTANT PROFESSOR SAYLOR;
 DR. HOBBS; AND ASSISTANTS
- 131-132. Advanced Quantitative Analysis.**—Prerequisites: Chemistry 70 and Physics 51-52 or equivalent. 4 s.h.
 PROFESSOR VOSBURGH AND ASSISTANT PROFESSOR SAYLOR
- 151-152. Organic Chemistry.**—Prerequisites: Chemistry 61 and 70. Course 151 is prerequisite for 152. 8 s.h.
 ASSOCIATE PROFESSOR BIGELOW; ASSISTANT PROFESSORS BROWN AND HAUSER; DR. BRADSHER; AND ASSISTANTS
- 153-154. Intermediate Chemistry Laboratory.**—2 or 4 s.h.
 ASSOCIATE PROFESSOR BIGELOW AND OTHER MEMBERS OF THE STAFF
- 173-174. Honors Seminar.**—Required of all candidates for Honors in chemistry in both Junior and Senior years. 2 s.h. PROFESSOR VOSBURGH
- 215-216. Advanced Inorganic Chemistry.**—Prerequisites: Chemistry 70 and 151-152. Chemistry 261-262, Physics 59-60 or 213-214 and ability to read German are desirable. 6 s.h.
 PROFESSOR VOSBURGH AND ASSISTANT PROFESSOR HILL
- 241. Physiological Chemistry.**—Prerequisites: Chemistry 70 and 151-152. Course 261-262 is desirable though not required. 4 s.h.
 PROFESSOR WILSON AND ASSISTANT
- 242. Metabolism.**—4 s.h. PROFESSOR WILSON AND ASSISTANT
- 253-254. Advanced Organic Chemistry.**—Prerequisites: Chemistry 151-152 or equivalent and a reading knowledge of German. 8 s.h.
 ASSOCIATE PROFESSOR BIGELOW; ASSISTANT PROFESSORS BROWN AND HAUSER
- 261-262. Physical Chemistry.**—Prerequisites: Chemistry 70, 151-152, Physics 1-2 or equivalent and Mathematics 7-8 or equivalent. 6 s.h.
 PROFESSOR GROSS, ASSISTANT PROFESSOR SAYLOR AND DR. HOBBS
- 271. Introduction to Research.**—1 s.h.
 PROFESSORS GROSS AND VOSBURGH, AND ASSOCIATE PROFESSOR BIGELOW
 [Offered in the second semester in 1941-42]
- 273-274. Seminar.**—Required of all graduate students in chemistry. 2 s.h.
 PROFESSORS GROSS, VOSBURGH; ASSOCIATE PROFESSOR BIGELOW;
 ASSISTANT PROFESSORS BROWN, HAUSER, HILL AND SAYLOR;
 DRs. BRADSHER AND HOBBS
- 275-276. Research.**—3 or 6 s.h.
 PROFESSORS GROSS, LONDON, VOSBURGH, AND WILSON; ASSOCIATE PROFESSOR BIGELOW; ASSISTANT PROFESSORS BROWN, HAUSER, HILL AND SAYLOR; DRs. BRADSHER AND HOBBS

DEPARTMENTAL MAJOR

- A. For the degree of A.B.**
Prerequisites: Chemistry 1-2, Mathematics 7-8 (or equivalent).
Major Requirements: Chemistry 61-70, 151-152 and 261-262. With the permission of the Department other chemistry courses giving a total of not less than 6 s.h. credit may be substituted for Chemistry 261-262.
- B. For the degree of B.S.**
Prerequisites: Chemistry 1-2, Mathematics 7-50 (or equivalent).

Major Requirements: Chemistry 61-70, 131-132, 151-152, 153-154, 261-262. The required work in the Science Division must include Mathematics 51-52 and Physics 51-52 (or equivalent).

DEPARTMENTAL HONORS PROGRAM

Prerequisites: Chemistry 61-70; Mathematics, 6 s.h., and Physics 51-52 or equivalent.

Honors Program: Chemistry 131-132, 151-152, 153-154, 173-174, 261-262, and 275-276; Mathematics through integral calculus; Physics, Botany, Geology, or Zoology, 6 s.h.; electives, subject to the approval of the Departmental Honors Committee, 20 s.h. (or enough to satisfy the requirements for graduation).

Chemistry 153-154 is a special laboratory course in which there is individual attention to and supervision of the work of each student.

Chemistry 173-174 is a seminar primarily for Honors students of both Junior and Senior years. The purpose is to give practice in the use of chemical literature and the oral presentation of assigned topics.

In Chemistry 275-276 an experimental research project is carried out under the direction of a member of the Staff, the object being to gain acquaintance with the aims and methods of research. A written report on the research is required.

A general examination in chemistry is given at the end of both Junior and Senior years.

ECONOMICS AND BUSINESS ADMINISTRATION

PROFESSOR HOOVER, CHAIRMAN; ASSOCIATE PROFESSOR DE VYVER, DIRECTOR OF UNDERGRADUATE STUDIES; PROFESSORS HAMILTON, SPENGLER, AND VON BECKERATH; VISITING PROFESSOR HON; ASSOCIATE PROFESSORS BLACK AND RATCHFORD; ASSISTANT PROFESSORS DELAPLANE, EITEMAN, LONDON, LEMERT, LESTER, SHIELDS, SMITH, AND SPRINGER; DRs. BERRY, KEECH, AND WELFLING; MESSRS. ALLEN, MOORE, AND VAN VOORHIS

ECONOMICS

51-52. Principles of Economics.—6 s.h.

PROFESSOR SPENGLER; ASSISTANT PROFESSORS DELAPLANE, EITEMAN, LONDON, LESTER, AND SMITH; DRs. BERRY AND WELFLING; MESSRS. ALLEN AND MOORE

103. Transportation.—3 s.h.

ASSISTANT PROFESSOR LONDON

107. Conservation.—3 s.h.
[Not offered in 1941-42]

ASSISTANT PROFESSOR LEMERT

138. Business Statistics.—3 s.h.

ASSISTANT PROFESSORS SPRINGER AND SMITH

143. Corporation Finance.—3 s.h.

ASSISTANT PROFESSORS DELAPLANE, EITEMAN, AND SMITH

144. Investments.—Prerequisite: Economics 57-58 and 143. 3 s.h.

ASSISTANT PROFESSORS EITEMAN AND DELAPLANE

153-154. Money, Banking, and Credit.—6 s.h.

ASSOCIATE PROFESSOR RATCHFORD, ASSISTANT PROFESSOR LESTER, AND DR. WELFLING

169. Economics of Consumption.—3 s.h.

ASSISTANT PROFESSOR SMITH

187. Public Finance.—3 s.h.

ASSOCIATE PROFESSOR RATCHFORD

217. Population, Resources, and Standards of Living.—3 s.h.
PROFESSOR SPENGLER
218. Business Cycles.—3 s.h. ASSISTANT PROFESSOR LESTER
230. Public Debts in the United States.—Prerequisite: Economics 187 or equivalent. 3 s.h. ASSOCIATE PROFESSOR RATCHFORD
231. The Economic History of Modern Europe.—3 s.h.
PROFESSOR HAMILTON
232. The Economic History of the United States.—3 s.h.
PROFESSOR HAMILTON
233. State and Local Finance.—Prerequisite: Economics 187 or equivalent. 3 s.h. ASSOCIATE PROFESSOR RATCHFORD
234. Federal Finance.—Prerequisite: Economics 187 or equivalent. 3 s.h. ASSOCIATE PROFESSOR RATCHFORD
- 237-238. Statistical Methods.—Prerequisite: Economics 138 or consent of the instructor. 6 s.h. ASSISTANT PROFESSOR SPRINGER
239. Prices.—3 s.h. PROFESSOR HAMILTON
- 241-242. Value and Distribution.—6 s.h. PROFESSOR SPENGLER
[Not offered first semester 1941-42]
245. Problems of Modern Industrialism.—3 s.h.
PROFESSOR VON BECKERATH
253. Labor Problems.—3 s.h. ASSOCIATE PROFESSOR DE VYVER
256. Labor Legislation.—Prerequisite: Economics 253, or with the consent of the instructor. 3 s.h. ASSOCIATE PROFESSOR DE VYVER
260. Social Insurance.—3 s.h. ASSOCIATE PROFESSOR DE VYVER
[Not offered in 1941-42]
265. International Trade and Tariff Policies.—3 s.h.
PROFESSOR VON BECKERATH
266. International Finance.—3 s.h. PROFESSOR HAMILTON
[Not offered in 1941-42]
268. Competitive versus Monopolistic Enterprise.—3 s.h.
PROFESSOR VON BECKERATH
270. Economics of War.—3 s.h. PROFESSOR HAMILTON
280. Advanced Economic Problems.—3 s.h. DR. WELFLING
Required of all Seniors majoring in Economics and open with permission to Seniors in the Business Administration Group.

BUSINESS ADMINISTRATION

A. ACCOUNTANCY

- 57-58. Principles of Accounting.—6 s.h.
ASSOCIATE PROFESSOR DE VYVER; DR. KEECH; MR. VAN VOORHIS
- 171-172. Advanced Accounting.—6 s.h. ASSISTANT PROFESSOR SHIELDS

173-174. Auditing, Theory and Practice.—Prerequisite: Economics 171-172, and permission of the instructor. 6 s.h. ASSISTANT PROFESSOR SHIELDS

175-176. C. P. A. Review.—Prerequisite: Economics 171-172, and permission of the instructor. 6 s.h. ASSOCIATE PROFESSOR BLACK

177. Income Tax Accounting.—Prerequisite: Economics 171-172, or permission of the instructor. 3 s.h. ASSISTANT PROFESSOR SHIELDS

178. Accounting Systems.—Prerequisite: Economics 171-172, or permission of the instructor. 3 s.h. ASSISTANT PROFESSOR SHIELDS
[Not offered in 1941-1942]

180. Governmental Accounting.—Prerequisite: Economics 57-58, and permission of the instructor. 3 s.h. ASSISTANT PROFESSOR SHIELDS

275-276. Advanced Industrial Accounting and Management.—Prerequisite: Economics 171-172 or permission of the instructor. 6 s.h.
[Not offered in 1941-42] ASSOCIATE PROFESSOR BLACK

B. COMMERCE AND INDUSTRY

11. Economic Geography.—3 s.h. ASSISTANT PROFESSOR LEMERT

105. Industrial Management.—3 s.h. DRS. BERRY AND KEECH

109. The Economic Geography of Latin America.
ASSISTANT PROFESSOR LEMERT

115. Economic Geography.—3 s.h. ASSISTANT PROFESSOR LEMERT

116. Economic Geography and Industrial Organization.—Prerequisite: Economics 115. 3 s.h. ASSISTANT PROFESSOR LEMERT

118. Economic Geography of the South.—3 s.h.
ASSISTANT PROFESSOR LEMERT

158. Insurance.—3 s.h. DRS. BERRY AND KEECH

168. Marketing.—3 s.h. ASSISTANT PROFESSOR LANDON

181-182. Business Law.—6 s.h.
ASSISTANT PROFESSORS EITEMAN AND SPRINGER

184. Commercial Law for Accountants.—3 s.h. ASSOCIATE PROFESSOR BLACK

DEPARTMENTAL MAJOR

Prerequisites: Economics 51-52, Principles of Economics. 6 s.h. This course is ordinarily taken in the Sophomore year.

Major Requirements: Twenty-four semester-hours in addition to Economics 51-52, to be arranged as follows:

(1) Economics 138.—Business Statistics.—3 s.h.

This course may be taken the second semester of the Sophomore year or during the Junior year. It may be taken by departmental majors in their Senior year only with permission of the Director of Undergraduate Studies.

(2) Senior-Graduate Courses.—6 s.h.

At least six semester-hours must be chosen from Senior-Graduate courses offered in Economics.

(3) Economics 280.—Advanced Economic Problems.—3 s.h.

This course is required of all majors in the Department and is also open to Seniors in the Business Administration Group. It may not be counted as part of the Senior-Graduate course requirement.

(4) Additional Course Work.—12 s.h.

In addition to the special requirements outlined under (1), (2), and (3) above, majors in the Department must elect twelve semester-hours from courses offered in Economics for Juniors and Seniors. Six hours of Accounting and six hours in Commerce and Industry may be counted toward the completion of this requirement.

(5) Additional work in the Department.

Twenty-four semester-hours of work in the Department is a minimum for a major in Economics. According to the general University regulations, however, majors may take additional work in the subdepartments (Accounting and Commerce and Industry) not to exceed a total in the Department and subdepartments of fifty-four semester-hours.

EDUCATION

PROFESSOR HOLTON, CHAIRMAN; PROFESSOR PROCTOR, DIRECTOR OF UNDERGRADUATE STUDIES; ASSISTANT PROFESSOR EASLEY, SUPERVISOR OF FRESHMAN INSTRUCTION; PROFESSORS BROWNELL, CARR, AND CHILDS; ASSOCIATE PROFESSOR SCATES; DRs. REIN AND WATSON (PART-TIME); MR. HARRIS (PART-TIME); AND MRS. SMITH; AND ASSISTANTS

1. Orientation Course in Study and Study Habits.—3 s.h.

ASSISTANT PROFESSOR EASLEY AND DR. WATSON

4. Introductory Course in History of Education.—3 s.h.

ASSOCIATE PROFESSOR SCATES AND DR. REIN

8. The Learning Process.—3 s.h.

PROFESSORS BROWNELL AND CHILDS; ASSISTANT PROFESSOR EASLEY; DRs. REIN AND WATSON; MR. HARRIS

54. Introductory Course in History of Education.—3 s.h.

PROFESSORS HOLTON AND CARR

58. The Learning Process.—3 s.h.

ASSISTANT PROFESSOR EASLEY

68. Mental Hygiene of the School Child.—3 s.h.

ASSISTANT PROFESSOR EASLEY

83. Current Trends in American Public School Organization.—3 s.h.

PROFESSOR PROCTOR

101. Introduction to Teaching.—3 s.h.

PROFESSOR CARR

103. School Organization and Administration for the Classroom Teacher.—3 s.h.

PROFESSOR PROCTOR

104. History of Education in the United States.—3 s.h.

ASSOCIATE PROFESSOR SCATES

105. Introduction to Educational Sociology.—3 s.h.

PROFESSOR CHILDS

112. Methods of Teaching and Presentation of Subject Matter in the Primary Schools.—Prerequisite: course 101. 4 s.h.

PROFESSOR CARR

[Not offered in 1941-42, unless as many as eight students enroll.]

- A. Integrated Art in the Public School. MRS. MASON
[Not offered in 1941-42, unless as many as eight students enroll.]
- B. Industrial Art in the Public School. MRS. MASON
[Not offered in 1941-42, unless as many as eight students enroll.]
- 115-116. Secondary Education: Principles and Practice.—6 or 8 s.h.
PROFESSOR CHILDS AND ASSISTANTS
118. Educational Implications of Genetic Psychology.—3 s.h.
PROFESSOR BROWNELL
122. Methods of Teaching and Presentation of Subject Matter in the Grammar Grades.—Prerequisite: course 101. 4 s.h. PROFESSOR CARR
131. Observation and Practice-Teaching.—1 s.h. PROFESSOR CARR
132. Materials and Methods in Health Education.—3 s.h.
ASSISTANT PROFESSOR AYCOCK
136. The Teaching of High-School English.—3 s.h.
ASSISTANT PROFESSOR JORDAN
142. Children's Literature.—3 s.h. PROFESSOR CARR
155. The Teaching of Secondary School Latin.—3 s.h.
ASSISTANT PROFESSOR GATES
158. Educational Measurements.—3 s.h. ASSOCIATE PROFESSOR SCATES
170. The Social and Economic Position of Women.—2 s.h. MRS. SMITH
176. Materials and Methods in High-School Science.—Prerequisite: at least eighteen hours of science in college. 3 s.h. PROFESSOR CHILDS
[Not offered in 1941-42]
200. Introduction to the Philosophy of Education.—3 s.h.
[Not offered in 1941-42] PROFESSOR HOLTON
203. Principles of School Administration.—Prerequisite: six semester-hours of courses 103 and 58 or their equivalent. 3 s.h. PROFESSOR PROCTOR
205. Curriculum Problems in Secondary Education.—3 s.h.
[Not offered in 1941-42] PROFESSOR CHILDS
206. Sociological Foundations of the Secondary School Subjects.—Prerequisite: general sociology or approved work in education, including course 105. 3 s.h. PROFESSOR CHILDS
[Not offered in 1941-42]
207. Technique of Teaching.—3 s.h. PROFESSOR CARR
208. Mental Tests and Applications.—Prerequisite: course 258 or six semester-hours of other work in educational psychology. 3 s.h.
ASSISTANT PROFESSOR EASLEY
209. Statistical Methods Applied to Education.—2 s.h.
ASSOCIATE PROFESSOR SCATES
212. Psychology of the Elementary School Subjects.—3 s.h.
[Not offered in 1941-42] PROFESSOR CARR
214. History of Education in the United States.—3 s.h.
[Not offered in 1941-42] PROFESSOR HOLTON
216. Psychological Principles of Secondary Education.—3 s.h.
PROFESSOR CHILDS
217. Advanced Educational Psychology.—3 s.h. PROFESSOR BROWNELL

218. **Educational Implications of Genetic Psychology.**—Prerequisite: six semester-hours of psychology or educational psychology. 3 s.h.
[Not offered in 1941-42] PROFESSOR BROWNELL
219. **Experimental Education.**—3 s.h. PROFESSOR BROWNELL
222. **The Curriculum and Materials of the Elementary Grades.**—3 s.h.
PROFESSOR CARR
225. **The Teaching of History and the Social Studies.**—3 s.h.
ASSISTANT PROFESSOR MANCHESTER
227. **The Psychology of Learning: Problems.**—3 s.h.
[Not offered in 1941-42] ASSISTANT PROFESSOR EASLEY
228. **The Psychology of Learning: Theoretical and Experimental.**—Pre-requisite: course 227 or its equivalent. 3 s.h. ASSISTANT PROFESSOR EASLEY
232. **Elementary School Supervision.**—3 s.h. PROFESSOR CARR
233. **Administrative Pupil-Accounting.**—3 s.h. PROFESSOR PROCTOR
[Not offered in 1941-42]
234. **Secondary School Organization and Administration.**—3 s.h.
PROFESSOR PROCTOR
237. **Investigations in Reading.**—3 s.h. PROFESSOR CARR
[Not offered in 1941-42]
244. **Studies in the Historical Development of Public School Administration.**—3 s.h. PROFESSOR HOLTON
[Not offered in 1941-42]
246. **The Teaching of Mathematics.**—3 s.h. PROFESSOR RANKIN
[Not offered unless enrollment justifies.]
247. **Investigations in Arithmetic.**—3 s.h. PROFESSOR BROWNELL
253. **Legal Phases of School Administration.**—3 s.h. PROFESSOR HOLTON
[Not offered in 1941-42]
254. **History of Secondary Education in the United States.**—3 s.h.
[Not offered in 1941-42] PROFESSOR PROCTOR
258. **Educational Measurements.**—Prerequisite: twelve semester-hours in the Department, including a course in educational psychology. 3 s.h.
ASSOCIATE PROFESSOR SCATES
264. **Recent Movements in American Education.**—3 s.h. PROFESSOR HOLTON
266. **The Teaching of High-School French.**—3 s.h. PROFESSOR WEBB
294. **Comparative Education: Recent Movements in European Educational Systems.**—3 s.h. PROFESSOR CARR
[Not offered in 1941-42]

DEPARTMENTAL MAJOR

A major in the Department of Education consists of twenty-four semester-hours of work above the Freshman year, not including any work listed as primarily for Freshmen, and including at least six semester-hours of courses limited to Seniors or to Seniors and Graduates. Students, however, who obtain credit for courses 4 and 8 will be permitted to complete a major by taking

twenty hours of additional work in the Department, provided twelve hours are courses limited to Seniors or to Seniors and Graduates. Before graduation, majors in the Department must have credit for at least one course in educational psychology, such as 8, 58, or 68, and one course in history and philosophy of education, or in educational sociology. The remainder of their work may be elected from courses listed for Sophomores, Juniors, and Seniors, provided at least six semester-hours of the course work are taken from courses listed for Seniors and Graduates, and provided that not more than six semester-hours may be of courses numbered below 100.

DEPARTMENTAL HONORS PROGRAM

Students may become candidates for Honors in education who have passed with grade of "B" or better in their Freshman or Sophomore years six semester-hours of education.

Candidates for Honors in education are required to take in the Junior year twelve semester-hours in the Department and to make an average of "B" or better on this work. The remaining work in the Junior year will be chosen from related work and other electives with the consent of the Departmental Committee on Honors. In the Senior year, in addition to the equivalent of twelve semester-hours of supervised reading in education, the candidate must elect with the approval of the Departmental Committee on Honors six semester-hours of work from the courses in education offered in the 200 group, on which he is required to make a grade of "B" or better and twelve semester-hours of related or other elective work.

Of the supervised reading, which shall be done under the immediate supervision of members of the Departmental Committee on Honors, the equivalent of six semester-hours shall be devoted to the History of Education; the remaining six semester-hours shall be devoted to Educational Psychology, or Secondary Education, or Elementary Education, or Public School Administration as the student may elect and the Departmental Committee approve. In exceptional cases, qualified students may be permitted to take six semester-hours of the supervised reading during the Junior year and increase the amount of course work in the Department the Senior year.

At the conclusion of the work the student shall be given an oral examination by a committee of three, consisting of the two members of the Departmental Committee on Honors in charge of his supervised reading and another member of the Department selected by the Departmental Committee.

ENGLISH

PROFESSOR BROWN, CHAIRMAN; PROFESSOR GREENE, DIRECTOR OF UNDERGRADUATE STUDIES; ASSISTANT PROFESSOR SANDERS, SUPERVISOR OF FRESHMAN INSTRUCTION; PROFESSORS BAUM, GILBERT, GOHDES, HUBBELL, IRVING, AND WHITE; ASSOCIATE PROFESSORS BLACKBURN, PATTON, AND MITCHELL; ASSISTANT PROFESSORS ALLEN, HERRING, JORDAN, LEARY, SUGDEN, VANCE, WARD, WEST, AND WHITE; DRS. CARPENTER, HARWELL, AND POTEAT; MESSRS. BRICE, DOWLING, FITZGERALD, LEWIS, AND MARTIN

COMPOSITION

1-2. English Composition.—6 s.h.

ASSOCIATE PROFESSORS BLACKBURN AND PATTON; ASSISTANT PROFESSORS ALLEN, SANDERS, SUGDEN, VANCE, WARD, AND WHITE; DRS. CARPENTER, HARWELL, AND POTEAT; MESSRS. BRICE, DOWLING, FITZGERALD, AND MARTIN

53. English Composition.—3 s.h.

ASSISTANT PROFESSOR JORDAN

54. Composition.—3 s.h. ASSISTANT PROFESSOR JORDAN
- 65-66. Approaches to Imaginative Writing.—6 s.h.
ASSISTANT PROFESSOR SANDERS AND DR. CARPENTER
- 101-102. Composition.—6 s.h. ASSOCIATE PROFESSOR MITCHELL
- 103-104. Composition.—6 s.h. ASSOCIATE PROFESSOR BLACKBURN
- 107-108. Journalism. ASSISTANT PROFESSOR SUGDEN
- 133-134. Verse-Writing.
[Not offered in 1941-42] PROFESSOR WHITE

DRAMATICS AND SPEECH

- 105-106. Play-Writing.—6 s.h. ASSISTANT PROFESSOR WEST
- 119-120. History of the Theater.—6 s.h. ASSISTANT PROFESSOR WEST
- 121-122. Play-Production.—6 s.h. ASSISTANT PROFESSOR WEST
- 139-140. The Speaking Voice.—6 s.h. ASSISTANT PROFESSOR WEST

FOR SOPHOMORES, JUNIORS, AND SENIORS

151. Speech.—3 s.h. ASSISTANT PROFESSOR HERRING AND MR. LEWIS
152. Argumentation.—Prerequisite: English 151. 3 s.h.
ASSISTANT PROFESSOR HERRING AND MR. LEWIS

ENGLISH AND AMERICAN LITERATURE AND LANGUAGE

- 55-56. Representative Writers.—6 s.h.
PROFESSOR IRVING, ASSOCIATE PROFESSOR BLACKBURN, ASSISTANT
PROFESSORS SANDERS, SUGDEN, VANCE, WARD, AND DR. POTEAT
- 63-64. A Survey of English Poetry.—6 s.h.
ASSOCIATE PROFESSOR MITCHELL
- 123-124. Shakespeare.—6 s.h. PROFESSOR BROWN
- 125-126. English Literature, 1789-1832.—6 s.h.
PROFESSOR WHITE, ASSOCIATE PROFESSOR PATTON,
AND ASSISTANT PROFESSOR WHITE
- 127-128. English Prose Literature, 1832-1900.—6 s.h. PROFESSOR GREENE
- 129-130. The History of the Novel in England.—6 s.h.
ASSOCIATE PROFESSOR MITCHELL AND ASSISTANT PROFESSOR VANCE
- 133-134. Verse-Writing.—3 s.h. PROFESSOR WHITE
[Not offered in 1941-42]
- 137-138. American Literature.—6 s.h. PROFESSORS HUBBELL AND GOHDES
142. Materials and Methods in High-School English.—3 s.h.
ASSISTANT PROFESSOR JORDAN
- 145-146. English Poetry, 1832-1900.—6 s.h. ASSISTANT PROFESSOR SANDERS
- 147-148. Contemporary Poetry.—6 s.h.
[Not offered in 1941-42]
- 153-154. Comparative Literature.—6 s.h. PROFESSOR IRVING

- 155-156. Contemporary Drama.—6 s.h. ASSISTANT PROFESSOR WHITE
- 157-158. Contemporary British and American Fiction.—6 s.h.
[Not offered in 1941-42]
- 159-160. English Literary Biography.—6 s.h. PROFESSOR WHITE
- 161-162. The History of the English Language. PROFESSOR GREENE

FOR SENIORS AND GRADUATES

- 201-202. Anglo-Saxon.—6 s.h. PROFESSOR BROWN
- 203-204. Chaucer.—6 s.h. PROFESSOR BAUM
- 207-208. English Literature, 1400-1550.—6 s.h. PROFESSOR BAUM
[Not offered in 1941-42]
- 209-210. English Literature, 1625-1700.—6 s.h. ASSISTANT PROFESSOR WARD
- 211-212. Nondramatic English Literature, 1550-1625.—3 s.h.
[Not offered in 1941-42] ASSISTANT PROFESSOR ALLEN
- 213-214. Folk-Lore and Folk-Songs.—6 s.h. PROFESSOR BROWN
- 215-216. Elizabethan Drama.—6 s.h. ASSISTANT PROFESSOR ALLEN
217. Spenser.—3 s.h. PROFESSOR ALLEN
[In 1941-1942 English 217 is offered during the spring semester.]
218. Milton.—3 s.h. PROFESSOR GILBERT
[In 1941-1942 English 218 is offered during the fall semester.]
- 219-220. English Literature of the Eighteenth Century.—6 s.h.
[Not offered in 1941-42] PROFESSOR IRVING
- 227-228. Literary Criticism.—6 s.h. PROFESSOR GILBERT
[Only 227 offered in 1941-42]
- 229-230. American Literature, 1800-1870.—6 s.h. PROFESSOR HUBBELL
- 231-232. Special Studies in American Authors.—6 s.h. PROFESSOR GOHDES
[Only 231 offered in 1941-42]
- 233-234. American Literature since 1870.—6 s.h. PROFESSOR GOHDES
- 239-240. Shakespeare Problems.—6 s.h. PROFESSOR BROWN
[Not offered in 1941-42]
269. Southern Literature and Culture.—3 s.h. PROFESSOR HUBBELL
[In 1941-1942 English 269 is offered in the spring semester.]

DEPARTMENTAL MAJOR

Prerequisites: English 1 and 2.

Requirements for the Major: A major in English consists of twenty-four semester-hours of credit distributed as follows: *six* hours must be earned in English 55-56 or in English 63-64 and *eighteen* hours credit, in courses in English and American literature of the 100 or 200 group.

DEPARTMENTAL HONORS PROGRAM

(a) Prerequisite: The minimum requirement for admission to Honors in English is the completion of a Sophomore course in English literature on which the student makes at least a grade of "B."

(b) Honors Readings:

(1) *The Elizabethan Period and the First Half of the Seventeenth Century*.—The Bible; Shakespeare and Elizabethan drama; Spenser; Donne; Bacon and other writers of prose.

PROFESSOR IRVING AND ASSISTANT PROFESSOR WARD

(2) *English Literature from the Restoration to the Death of Pope*.—Milton; Dryden; the Comedy of Manners; Swift; Defoe; Addison and Steele; Pope.

PROFESSOR IRVING AND ASSISTANT PROFESSOR WARD

(3) *English Literature, 1774-1832*.—Fielding; Johnson; Wordsworth; Byron; Shelley; Keats; Lamb; Hazlitt.

ASSOCIATE PROFESSORS BLACKBURN AND PATTON

(4) *English Literature, 1832-1900*.—Carlyle; Tennyson; Browning; Arnold (poetry and prose); Ruskin; Morris; Pater.

ASSOCIATE PROFESSORS BLACKBURN AND PATTON

(c) Two year-courses in the Department of English (under certain conditions work in related departments may be substituted for this requirement).

(d) Four year-courses in related departments.

(e) General Honors Examinations: Four comprehensive written examinations and a supplementary oral examination are held at the end of the Senior year to test the student's knowledge of the four periods of English literature studied. Students may substitute for one of the written examinations a special thesis on a topic correlating English literature with a related field of knowledge or on any other approved topic.

FINE ARTS

ASSISTANT PROFESSOR McDONALD, CHAIRMAN; ASSISTANT PROFESSOR HALL, DIRECTOR OF UNDERGRADUATE STUDIES; DR. SUNDERLAND; MISS ROBINSON

1-2. History of Art.—6 s.h.

MISS ROBINSON

51-52. History of Art.—6 s.h.

51, ASSISTANT PROFESSOR HALL

52, ASSISTANT PROFESSOR McDONALD

53-54. Theory of Representation and Design.—6 s.h.

DR. SUNDERLAND

91. (Old number, 95.) Art of the Near and Middle East.—3 s.h.

ASSISTANT PROFESSOR McDONALD

92. (Old number, 97.) Art of the Far East.—3 s.h.

ASSISTANT PROFESSOR McDONALD

94. (Old number, 93.) American Painting and Sculpture.—3 sh.

MISS ROBINSON

101. Medieval Architecture.—Prerequisite: 1-2 or 51. 3 s.h.

DR. SUNDERLAND

103. Renaissance and Baroque Architecture: Italy.—Prerequisite: 1-2 or 51. 3 s.h.

ASSISTANT PROFESSOR HALL

104. Renaissance and Baroque Architecture: Spain and the North.—Prerequisite: 1-2 or 51. 3 s.h.

ASSISTANT PROFESSOR HALL

[Not offered in 1941-42]

105. **European Architecture since 1700.**—Prerequisite: 1-2 or 51. 3 s.h.
[Not offered in 1941-42] ASSISTANT PROFESSOR HALL
106. **Architecture of the Americas.**—Prerequisite: 1-2 or 51. 3 s.h.
ASSISTANT PROFESSOR HALL
110. (Old number, 120.) **English Architecture.**—Prerequisite: 1-2 or 51.
3 s.h. ASSISTANT PROFESSOR HALL
121. (Old number, 102.) **Medieval Art.**—Prerequisite for Sophomores: 1-2
or 52. 3 s.h. ASSISTANT PROFESSOR McDONALD
123. (Old number, 107.) **Renaissance Painting and Sculpture: Italy.**—3 s.h.
DR. SUNDERLAND
124. (Old number, 109.) **Baroque Painting.**—3 s.h. DR. SUNDERLAND
125. (Old number, 108.) **Renaissance Painting and Sculpture: the North.**—
3 s.h. DR. SUNDERLAND
[Not offered in 1941-42]
130. (Old number, 110.) **Painting since 1700.**—3 s.h. DR. SUNDERLAND

COURSES OFFERED IN OTHER DEPARTMENTS ACCREDITED IN THIS DEPARTMENT

Greek 141-142. Greek Art.

Greek 247-248. Greek Archaeology.

Latin 115. Architecture of Ancient Rome.

Latin 215. Introduction to Roman Art and Archaeology.

Latin 216. Topography and Monuments of Ancient Rome.

Philosophy 201-202. The Philosophy of Art.

Philosophy 213-214. History of Aesthetics.

Psychology 202. Psychology of Aesthetics.

DEPARTMENTAL MAJOR

Prerequisites: 1-2 or 51-52.*Major Requirements:* 53-54, and eighteen hours in courses chosen from the departmental offerings, or from courses in other departments accredited in this Department.

FORESTRY

PROFESSOR KORSTIAN, CHAIRMAN; PROFESSORS BEAL, SCHUMACHER, WACKERMAN,
AND WOLF; ASSOCIATE PROFESSORS HARRAR, MAUGHAN, AND
THOMSON; ASSISTANT PROFESSOR COILE

52. **Principles of Forestry.**—2 s.h. ASSOCIATE PROFESSOR THOMSON
- S150. **Forest Surveying.**—Prerequisites: Civil Engineering, S110, Plane
Surveying, or equivalent. 5 s.h. ASSOCIATE PROFESSOR MAUGHAN
- S151. **Forest Mensuration.**—4 s.h. PROFESSOR SCHUMACHER
211. **Harvesting Forest Products.**—3 s.h. PROFESSOR WACKERMAN
212. **Forest Products Industries.**—Prerequisite: Forestry 211 or equivalent.
3 s.h. PROFESSOR WACKERMAN
224. **Forest Pathology.**—Prerequisites: Botany 1 and 2, and Forestry 253-
254, or equivalents. 4 s.h. PROFESSOR WOLF
231. **Forest Entomology.**—3 s.h. PROFESSOR BEAL

251. Sampling Methods in Forestry.—Prerequisite: Forestry S151. 2 s.h.
PROFESSOR SCHUMACHER

252. Forest Mensuration.—Prerequisite: Forestry 251. 2 s.h.
PROFESSOR SCHUMACHER

253-254. Dendrology.—Prerequisite: one year of botany. 4 s.h.
ASSOCIATE PROFESSOR HARRAR

257. Design of Forestry Experiments and Analysis of Data.—5 s.h.
PROFESSOR SCHUMACHER

259. Wood Anatomy and Properties.—Prerequisites: one year of botany and Chemistry 1 and 2, or equivalents. 3 s.h. ASSOCIATE PROFESSOR HARRAR

260. Timber Mechanics.—Prerequisites: Physics 1 and Forestry 259, or equivalents. 3 s.h. ASSOCIATE PROFESSOR HARRAR

261. Forest Soils.—Prerequisites: Chemistry 1 and 2, and Physics 1, or equivalents. 3 s.h. ASSISTANT PROFESSOR COILE

264. Silvics.—Desirable prerequisites: Plant physiology, plant ecology, and Forestry 253-254 and 261, or equivalents. 3 s.h. PROFESSOR KORSTIAN

266. Forest Seeding and Planting.—2 s.h. PROFESSOR KORSTIAN

273. Forest Protection.—2 s.h. ASSOCIATE PROFESSOR THOMSON

276. Forest Policy.—2 s.h. ASSOCIATE PROFESSOR THOMSON

279. Economics of Forestry.—Prerequisite: at least one course in the principles of economics. 3 s.h. ASSOCIATE PROFESSOR THOMSON

GEOLOGY

ASSOCIATE PROFESSOR BERRY

51. General Geology.—4 s.h. ASSOCIATE PROFESSOR BERRY

52. General Geology.—Prerequisite: Geology 51. 4 s.h.
ASSOCIATE PROFESSOR BERRY

101-102. Mineralogy.—Prerequisite: Chemistry 1-2 (can be taken concurrently). 8 s.h. ASSOCIATE PROFESSOR BERRY

151. Economic Geology.—Prerequisite: Geology 101-102. 4 s.h.
ASSOCIATE PROFESSOR BERRY

152. Introductory Paleontology.—Prerequisites: Geology 51, 52 and Zoology 1. 4 s.h. ASSOCIATE PROFESSOR BERRY

DEPARTMENTAL MAJOR

Prerequisites: None for Geology 51. Chemistry 1-2 for Geology 101-102; Zoology 1 for Geology 152.

Major Requirements: Geology 51, 52, 101-102, 151, 152.

GERMAN LANGUAGE AND LITERATURE

PROFESSOR VOLLMER, CHAIRMAN; ASSISTANT PROFESSOR MAXWELL, DIRECTOR OF UNDERGRADUATE STUDIES; ASSISTANT PROFESSOR WILSON, SUPERVISOR OF FRESHMAN INSTRUCTION; PROFESSORS KRUMMEL AND WANNAMAKER; DR. SHEARS; MR. SCHNEIDER

1-2. Elementary German.—6 s.h. ASSISTANT PROFESSOR WILSON AND STAFF

3-4. Intermediate German.—6 s.h. PROFESSOR KRUMMEL AND STAFF

51-52. German Civilization.—6 s.h.

101-102. Elementary German.—6 s.h. ASSISTANT PROFESSOR MAXWELL

103-104. Intermediate German.—6 s.h. ASSISTANT PROFESSOR WILSON

107. Scientific German.—3 s.h.

PROFESSOR WANNAMAKER AND ASSISTANT PROFESSOR MAXWELL

108. Advanced Scientific and Medical German.—3 s.h.

PROFESSOR WANNAMAKER AND ASSISTANT PROFESSOR MAXWELL

109-110. German Prose Fiction.—6 s.h.

PROFESSOR KRUMMEL

[Not offered in 1941-42]

111-112. Introduction to the Classic Drama.—6 s.h.

ASSISTANT PROFESSOR WILSON

113-114. Nineteenth-Century German Poetry.—6 s.h.

[Not offered in 1941-42]

ASSISTANT PROFESSOR WILSON

115-116. German Drama of the Nineteenth Century.—6 s.h.

PROFESSOR KRUMMEL

119-120. Nibelungenlied to the Twentieth Century.—6 s.h.

[Cannot be taken for foreign language credit.]

PROFESSOR VOLLMER

121-122. Schiller.—6 s.h.

PROFESSOR VOLLMER

[Not offered in 1941-42]

123-124. Modern German Short Story.—6 s.h.

DR. SHEARS

[Not offered in 1941-42]

125-126. Contemporary German Literature.—6 s.h.

DR. SHEARS

127-128. Survey of Nineteenth-Century German Literature.—6 s.h.

[Not offered in 1941-42]

PROFESSOR VOLLMER

201-202. Goethe.—6 s.h.

PROFESSOR KRUMMEL

207-208. German Romanticism.—6 s.h.

PROFESSOR VOLLMER

209-210. Kleist, Grillparzer, and Hebbel.—6 s.h.

PROFESSOR KRUMMEL

[Not offered in 1941-42]

211-212. Heinrich Heine and Young Germany.—6 s.h.

[Not offered in 1941-42]

PROFESSOR VOLLMER

213-214. Literature of the Empire, 1871-1914.—6 s.h.

PROFESSOR VOLLMER

DEPARTMENTAL MAJOR

1. *Prerequisites*: German 1-2 and 3-4.

2. *Major Requirements*: Twenty-four hours in the German Department. Twelve of these must be selected from the 200 courses. The remaining twelve may be selected from German 51-52 and any courses in the 100 group except 101-102, 103-104 and 119-120.

HONORS IN GERMAN

Prerequisites:

1. For admission to candidacy for Honors in German, a student must have begun the study of the language not later than the Freshman year in college.

2. A student who has completed at least 12 s.h. of college German by the end of the Sophomore year with a grade of "A" or "B" (equivalent courses

in secondary schools or in other colleges may be presented as substitutes) is eligible to apply to the Departmental Committee for permission to read for Honors in German.

General Rules:

I. The Departmental Honors Program constitutes the work of the Honors student during the Junior and Senior years. This program shall be the equivalent of sixty semester-hours of work.

II. *Work in the German Department:* The amount of work taken in the German Department shall be the equivalent of thirty-six semester-hours. Of this the work done in the Honors tutorials shall count twelve hours, six hours for the Junior year and six hours for the Senior year. The comprehensive examinations at the end of the Senior year are counted as part of this twelve semester-hours credit.

III. *Related Work:* The related work, which constitutes at least two fifths of the Honors program, that is, the equivalent of twenty-four semester-hours, must be distributed among not less than two departments, unless the Departmental Committee gives special permission for the student to take his related work in one department.

IV. *General Honors Examinations:* In May of the Senior year the candidate will be given a general written examination, conducted by his Adviser, on his Honors Reading. A general oral examination, conducted by the Departmental Committee and presupposing a general knowledge of the development of German culture and civilization and a practical ability in the use of the German language, will also be conducted in May.

GREEK

PROFESSOR PEPPLER, CHAIRMAN, AND DIRECTOR OF UNDERGRADUATE STUDIES; DR. TRUESDALE, SUPERVISOR OF FRESHMAN INSTRUCTION; ASSISTANT PROFESSOR WAY

1-2. Course for Beginners.—6 s.h.	DR. TRUESDALE
53-54. Xenophon.—6 s.h.	DR. TRUESDALE
105-106. Homer.—6 s.h.	PROFESSOR PEPPLER AND DR. TRUESDALE
107-108. Plato.—6 s.h.	DR. TRUESDALE
15. Mythology.—3 s.h.	DR. TRUESDALE
115-116. Sight Reading in Greek.—4 s.h.	ASSISTANT PROFESSOR WAY AND DR. TRUESDALE
117-118. Greek Prose Composition.—3 s.h.	PROFESSOR PEPPLER
121-122. Greek Literature in English Translation.—6 s.h.	PROFESSOR PEPPLER
141-142. Greek Art.—6 s.h.	ASSISTANT PROFESSOR WAY
131. History of Greece.—3 s.h.	ASSISTANT PROFESSOR WAY
201-202. Greek Tragedy.—6 s.h.	PROFESSOR PEPPLER
203-204. Homer.—Pindar and Bacchylides.—6 s.h.	DR. TRUESDALE
205-206. Greek Historians.—6 s.h.	PROFESSOR PEPPLER
207-208. Greek Orators.—6 s.h.	ASSISTANT PROFESSOR WAY
209-210. Plato.—6 s.h.	ASSISTANT PROFESSOR WAY

211-212. Aristophanes.—6 s.h.	PROFESSOR PEPPLER
243. Athenian Topography.—3 s.h.	ASSISTANT PROFESSOR WAY
244. Greek Epigraphy.—3 s.h.	ASSISTANT PROFESSOR WAY
245. Greek Dialects.—3 s.h.	ASSISTANT PROFESSOR WAY
246. Greek Historical Inscriptions.—3 s.h.	ASSISTANT PROFESSOR WAY
247-248. Greek Archaeology.—6 s.h.	ASSISTANT PROFESSOR WAY

DEPARTMENTAL MAJOR

Prerequisite: Greek 1-2.

Major Requirements: A candidate for a major in Greek must complete twenty-four semester-hours, including the following courses: Greek 53-54, 105-106, 107-108, 117-118, and 131.

DEPARTMENTAL HONORS PROGRAM

For admission to candidacy for Honors in Greek the student must have completed Greek 1-2 and 53-54 or their equivalent.

Candidates for Honors must complete the following program of work:

(a) Greek 105-106, 131, 141-142, 107-108, 122, and 117-118.

(b) Four year-courses in related departments.

(c) The Honors Reading. This is tutorial work in which the student is required to read assigned portions of Greek literature by himself, to write papers on topics related to his reading, and to meet the Honors Adviser in weekly conferences for the discussion of the literature that he is reading independently. For the Honors Reading a credit of nine semester-hours is given.

Students who enter the University with advanced standing in Greek take higher courses in the language than those listed above.

At the end of the Senior year candidates for Honors must pass a comprehensive examination in writing on the subject-matter covered by their studies in Greek.

Graduates of Duke University may attend the American School of Classical Studies at Athens, Greece, without charge for tuition, and are eligible to compete for the fellowships that are offered annually by the School. These consist of two fellowships in Greek archaeology and one in the language, literature, and history of ancient Greece, each with a stipend of \$1,300. They are awarded mainly on the basis of examinations held in the beginning of February of each year.

HEALTH AND PHYSICAL EDUCATION

TRINITY COLLEGE

MR. WADE, DIRECTOR; MESSRS. AYCOCK, CALDWELL, CAMERON, CARD, CHAMBERS, COOMBS, CRICHTON, FOGLEMAN, GERARD, HAGLER, LEWIS, MONTFORT, PERSONS, STANLEY, WARREN

PHYSICAL EDUCATION CLASSES

1-2. Basketball.—1½ s.h.	MR. CALDWELL
3-4. Boxing.—1½ s.h.	MR. WARREN
5-6. Individual Corrective Activities.—1½ s.h.	MR. AYCOCK
7-8. Handball.—1½ s.h.	MR. GERARD

9-10. Softball.—1½ s.h.	MR. STANLEY
11-12. Soccer Football.—1½ s.h.	MR. GERARD
13-14. Swimming.—1½ s.h.	MR. PERSONS
15-16. Touch Football.—1½ s.h.	MR. GERARD
17-18. Tennis.—1½ s.h.	MR. FOGLEMAN
19-20. Tumbling Stunts.—1½ s.h.	MR. CARD
21-22. Track.—1½ s.h.	MR. LEWIS
25-26. Wrestling.—1½ s.h.	MR. WARREN
27-28. Apparatus Stunts.—1½ s.h.	MR. CARD
55-56. Individual Corrective Activities.—1½ s.h.	MR. AYCOCK
59. Baseball.—1½ s.h.	MR. COOMBS
61-62. Golf.—1½ s.h.	MR. CRICHTON AND MR. HAGLER

INTERCOLLEGIATE ATHLETIC SPORTS

FRESHMEN

- 30. Baseball.—1½ s.h.
- 32. Basketball.—1½ s.h.
- 37. Football.—1½ s.h.
- 38. Football.—1½ s.h.
- 41. Cross Country.—1½ s.h.
- 42. Swimming.—1½ s.h.
- 44. Tennis.—1½ s.h.
- 46. Track.—1½ s.h.
- 48. Wrestling.—1½ s.h.
- 50. Lacrosse.—1½ s.h.

VARSITY

- 70. Lacrosse.—1½ s.h.
- 80. Baseball.—1½ s.h.
- 82. Basketball.—1½ s.h.
- 83. Basketball.—1½ s.h.
- 87. Football.—1½ s.h.
- 88. Football.—1½ s.h.
- 90. Golf.—1½ s.h.
- 91. Cross Country.—1½ s.h.
- 92. Tennis.—1½ s.h.
- 93. Soccer Football.—1½ s.h.
- 94. Swimming.—1½ s.h.
- 95. Track.—1½ s.h.
- 96. Track.—1½ s.h.
- 98. Wrestling.—1½ s.h.

ELECTIVES IN PHYSICAL EDUCATION

Students in Group VI A may elect twelve semester-hours from the courses offered below. Three semester-hours may be elected from the courses listed under Special Methods in Physical Education and nine semester-hours may be elected from the courses listed under Theory and Practice in Physical Education.

These courses are arranged to meet the increasing demand for teachers who are qualified to coach and teach physical education. These courses should be selected with the advice of the Director of Undergraduate Studies in order to meet the needs of the individual.

SPECIAL METHODS IN PHYSICAL EDUCATION

163. Athletic Coaching in Secondary Schools.—Prerequisites: courses 30 or 80 and 21-22 or 46 or 96 or their equivalent. 3 s.h.

MR. COOMBS, MR. CHAMBERS

164. Athletic Coaching in Secondary Schools.—Prerequisites: courses 37 or 87 and 1-2 or 32 or 82 or their equivalent. 3 s.h.

MR. WADE, MR. STANLEY, MR. CAMERON

THEORY AND PRACTICE IN PHYSICAL EDUCATION

65. History and Principles of Physical Education.—3 s.h.
 MR. AYCOCK, MR. GERARD
172. Recreational Leadership.—3 s.h.
 MR. GERARD
173. Individual Gymnastics.—3 s.h.
 MR. AYCOCK
182. The Administration of Health and Physical Education in Secondary Schools.—3 s.h.
 MR. AYCOCK, MR. GERARD
187. School Programs of Physical Education.—3 s.h.
 MR. GERARD
190. Protective Practices in Physical Education.—3 s.h.
 MR. CHAMBERS

WOMAN'S COLLEGE

ASSISTANT PROFESSOR GROUT, CHAIRMAN; MRS. BOOKHOUT, MISS DOWLING, MISS LEWIS, MRS. ROGERS, AND MISS SMITH

ACTIVITIES OFFERED

October to December: Badminton, bowling, diving, golf, hockey, recreational sports, riding, soccer, swimming, tennis, volleyball.

December to March: Basketball, body mechanics, bowling, clog and tap dancing, folk dancing, social dancing, modern dance, rhythm fundamentals, fencing, individual gymnastics, life saving, riding, swimming.

March to June: Archery, badminton, bowling, diving, fencing, golf, life saving, modern dance, riding, softball, swimming, tennis.

ELECTIVES IN PHYSICAL EDUCATION

81. History and Principles of Physical Education.—3 s.h.
 ASSISTANT PROFESSOR GROUT
102. The Teaching of Physical Education in Elementary Schools.—3 s.h.
 ASSISTANT PROFESSOR GROUT
108. Problems in Community Recreation.—3 s.h.
 MISS DOWLING
- 181-182. Methods of Teaching Athletic Activities.—6 s.h.
 THE STAFF
185. The Teaching of Physical Education in Secondary Schools.—3 s.h.
 ASSISTANT PROFESSOR GROUT

HYGIENE

41. Personal Health Problems.—3 s.h.
 MRS. ROGERS
- S112. School Health Problems.—3 s.h.
 MRS. ROGERS

HISTORY

PROFESSOR LAPRADE, CHAIRMAN; ASSOCIATE PROFESSOR NELSON, DIRECTOR OF UNDERGRADUATE STUDIES; DR. HAMILTON, SUPERVISOR OF FRESHMAN INSTRUCTION; PROFESSORS BALDWIN, CARROLL, AND SYDNOR; ASSOCIATE PROFESSORS CLYDE AND LANNING; ASSISTANT PROFESSORS MCCLOY, MANCHESTER, QUINN, ROBERT, STILL, AND WOODY; DRs. FERGUSON, PARKER, ROPP, AND WATSON; MISS CHAFFIN (PART-TIME); AND DR. LEIGHTON (PART-TIME)

- 1-2. Modern and Contemporaneous Europe.—6 s.h.
 PROFESSOR CARROLL; ASSOCIATE PROFESSORS CLYDE AND NELSON;
 ASSISTANT PROFESSORS MANCHESTER AND QUINN; DRs.
 FERGUSON, HAMILTON, ROPP, AND WATSON;
 MISS CHAFFIN

51-52. Modern and Contemporaneous Europe.—6 s.h.

PROFESSOR BALDWIN, ASSISTANT PROFESSOR McCLOY, AND DR. PARKER
[Not open to Freshmen or to students who have had course 1-2.]

61-62. Russia and the Near East from Peter the Great to Stalin.—Pre-
requisite: course 1-2 or 51-52. 6 s.h. DR. ROPP

65-66. The Social and Cultural History of Western Europe in the Sev-
enteenth and Eighteenth Centuries.—6 s.h. ASSISTANT PROFESSOR McCLOY

91. Political and Social History of the United States to 1850.—3 s.h.
ASSISTANT PROFESSORS ROBERT AND STILL; DR. WATSON

92. Political and Social History of the United States since 1850.—3 s.h.
ASSISTANT PROFESSORS ROBERT AND STILL; DR. WATSON

101-102. Early European Civilization.—6 s.h.
ASSISTANT PROFESSORS MANCHESTER AND QUINN

105-106. English Constitutional History.—6 s.h. DR. HAMILTON

107-108. Social and Cultural History of England.—6 s.h. DR. FERGUSON

109-110. Political and Cultural Foundations of Modern Europe. 1400-
1648.—6 s.h. ASSOCIATE PROFESSOR NELSON

114. History of the United States since Reconstruction.—Prerequisites:
courses 91 and 92. 3 s.h. ASSOCIATE PROFESSOR LANNING
[Not offered in 1941-42]

119-120. Social and Cultural History of the United States.—Prerequisites:
courses 91 and 92. 6 s.h. ASSISTANT PROFESSOR ROBERT

121-122. The Church in American History.—Prerequisites: courses 91 and
92. 6 s.h. PROFESSOR BALDWIN
[Not offered in 1941-42]

123-124. English History.—6 s.h. PROFESSOR LAPRADE

125. The Ancient Regime, the French Revolution, and Napoleon.—3 s.h.
DR. PARKER

126. The Congress of Vienna and the Rise of the European Nations to
1870.—3 s.h. DR. PARKER

127. History of Latin America.—3 s.h. ASSOCIATE PROFESSOR LANNING

Ancient History.—Greek 131—Latin 131-132.

135. Main Currents in European History, 1815-1914.—3 s.h.
PROFESSOR CARROLL

136. Europe since 1914, Including the Rise of the Totalitarian States,
Russia, Italy, and Germany.—3 s.h. PROFESSOR CARROLL

141-142. The Modern and Contemporary Far East.—6 s.h.
ASSOCIATE PROFESSOR CLYDE

153-154. The History of the South.—6 s.h. PROFESSOR SYDNOR

FOR SENIORS AND GRADUATES

- 209-210. **American Constitutional History.**—Prerequisites: courses 91 and 92. 6 s.h. ASSISTANT PROFESSOR STILL
[Not offered in 1941-42]

211. **The Teaching of History and the Social Studies (Education 225).**—3 s.h. ASSISTANT PROFESSOR MANCHESTER

- 215-216. **History of the United States' Foreign Policy.**—Prerequisites: courses 91 and 92. 6 s.h. ASSOCIATE PROFESSOR CLYDE

- 217-218. **Europe since 1870.**—6 s.h. PROFESSOR CARROLL

- 219-220. **The History of the European Proletariat.**—6 s.h.
[Not offered in 1941-42] PROFESSOR CARROLL

- 223-224. **Medieval Institutions and Culture.**—6 s.h.
[Not offered in 1941-42] ASSISTANT PROFESSOR QUINN

- 221-222. **The Age of the Renaissance.**—6 s.h.
[Not offered in 1941-42] ASSOCIATE PROFESSOR NELSON

- 225-226. **The Age of the Reformation.**—6 s.h.
[Not offered in 1941-42] ASSOCIATE PROFESSOR NELSON

230. **The Portuguese Empire and the Rise of Brazil.**—3 s.h.
ASSISTANT PROFESSOR MANCHESTER

231. **The Hispanic Colonies of the New World.**—3 s.h.
[Not offered in 1941-42] ASSOCIATE PROFESSOR LANNING

232. **Hispanic Republics of the New World.**—3 s.h.
[Not offered in 1941-42] ASSOCIATE PROFESSOR LANNING

233. **The Cultural and Institutional History of Colonial Hispanic America.**—3 s.h. ASSOCIATE PROFESSOR LANNING

234. **Political and Social Problems in the Hispanic American Republics.**—3 s.h. ASSOCIATE PROFESSOR LANNING
[Not offered in 1941-42]

- 241-242. **Eastern Asia and the Pacific.**—6 s.h.
[Not offered in 1941-42] ASSOCIATE PROFESSOR CLYDE

- 263-264. **American Colonial History and the Revolution, 1606-1783.**—Prerequisites: courses 91 and 92. 6 s.h. ASSISTANT PROFESSOR WOODY

- 265-266. **The Westward Movement in the United States.**—Prerequisites: courses 91 and 92. 6 s.h. ASSISTANT PROFESSOR STILL

DEPARTMENTAL MAJOR

Prerequisites: The Introductory Course in History (1-2 or 51-52).

Major Requirements: Students in the General Group desiring to take a major in history are required to elect twenty-four semester-hours in the Department, including six semester-hours in the Senior year from courses in the 200 group. Students desiring to take the more advanced courses in American history should elect courses 91 and 92 in the Sophomore or Junior year.

DEPARTMENTAL HONORS PROGRAM

Students may become candidates for Honors in history who have passed with a grade of "B" or better in their Freshman and Sophomore years courses 91 and 92 in addition to the introductory course in European history.

Candidates for Honors in history are required to take in the Junior year two courses in history offered in the 100 group and to make an average grade of "B" or better on this work. The remaining work in the Junior year will be chosen from related work and other electives with the consent of the Departmental Committee on Honors. In the Senior year, in addition to the equivalent of fifteen semester-hours of supervised reading in history, the candidate must elect with the approval of the Departmental Committee on Honors six semester-hours of work from the courses in history offered in the 200 group, on which he is required to make a grade of "B" or better, and nine semester-hours of related or other elective work.

Of the supervised reading, which shall be done under the immediate supervision of members of the Departmental Committee on Honors, the equivalent of six semester-hours shall be devoted to the classical historians such as Herodotus, Thucydides, Tacitus, Livy, Bede, the better-known chronicles, Machiavelli, Gibbon, Hume, Voltaire, Ranke, and others; the equivalent of nine semester-hours shall be devoted to selected fields in either American or European history as the student may elect and the Departmental Committee advise.

At the conclusion of the work the student shall be given an oral examination by a committee of three, consisting of the two members of the Departmental Committee on Honors in charge of his supervised reading and another member of the Department selected by the Departmental Committee.

LATIN AND ROMAN STUDIES

PROFESSOR ROGERS, CHAIRMAN AND DIRECTOR OF UNDERGRADUATE STUDIES; DR. ROSE, SUPERVISOR OF FRESHMAN INSTRUCTION; PROFESSOR ROSBOROUGH; ASSISTANT PROFESSOR GATES

1-2. Course for Beginners.—6 s.h. DR. ROSE

3. Cicero's Orations.—Prerequisite: two entrance units of Latin. 3 s.h.
ASSISTANT PROFESSOR GATES OR DR. ROSE

4. Vergil's Aeneid.—Prerequisite: three entrance units and Latin 57 taken in the semester preceding admission to the course, unless Latin 3 was taken. 3 s.h.
ASSISTANT PROFESSOR GATES OR DR. ROSE

41. Livy's History of Rome.—3 s.h. THE STAFF

42. Horace.—The Odes and Epodes. 3 s.h. THE STAFF

53. Sallust and Tacitus.—Prerequisite: Latin 41-42 or an equivalent. 3 s.h.
DR. ROSE

54. Catullus.—3 s.h. DR. ROSE

57. Sight Reading in Classical Latin.—1 s.h. THE STAFF

58. Sight Reading in Mediaeval Latin.—Prerequisite: at least one of the following courses: Latin 3, 4, 41, 42, and 57, or an equivalent. 1 s.h.

DR. ROSE

65-66. Latin Prose Composition.—2 s.h. DR. ROSE

101. Tacitus and Suetonius.—3 s.h. PROFESSOR ROSBOROUGH

102. Juvenal and Persius.—3 s.h. PROFESSOR ROSBOROUGH
103. The Roman Elegiac Poets.
[Not offered in 1941-42]
104. Horace: Satires and Epistles.
[Not offered in 1941-42]
105. Martial's Epigrams.
[Not offered in 1941-42]
106. Letters of Pliny the Younger.
[Not offered in 1941-42]
107. Livy: Ab Urbe Condita.
[Not offered in 1941-42]
108. Cicero's Letters.—3 s.h. ASSISTANT PROFESSOR GATES
109. Materials and Methods.—Prerequisite: eighteen approved semester-hours of college Latin, including courses 41-42, 53-54, or equivalent courses.
3 s.h. ASSISTANT PROFESSOR GATES
- 111-112. Roman Literature in English Translation.
[Not offered in 1941-42]
- 113-114. Roman Civilization.
[Not offered in 1941-42]
- 115-116. Art and Architecture of Ancient Rome.
[Not offered in 1941-42]
- 131-132. History of Rome.—6 s.h. PROFESSOR ROGERS
- 203-204. Roman Epic: Ennius, Vergil, Manilius, Lucan, Flaccus, Statius, Silius.—6 s.h. ASSISTANT PROFESSOR GATES
- 205-206. Roman Drama.—6 s.h. ASSISTANT PROFESSOR GATES
- 207-208. Roman Philosophy.—6 s.h. PROFESSOR ROSBOROUGH
- 209-210. Vulgar Latin: Introduction to Romance Philology.
[Not offered in 1941-42]
- 211-212. Roman Oratory.
[Not offered in 1941-42]
215. Roman Art and Archaeology.
[Not offered in 1941-42]
216. Topography and Monuments of Ancient Rome.—3 s.h. PROFESSOR ROSBOROUGH

DEPARTMENTAL MAJOR

Prerequisites: Latin 41-42, 65-66, or acceptable equivalents.

Major Requirements: Latin 53-54, 101-102, six semester-hours in courses numbered from 103 to 108, and six semester-hours in courses numbered from 200 to 299 to be taken in the Senior year.

In addition, all majors are expected to pursue course 131-132, History of Rome.

Majors who contemplate graduate work are reminded of the necessity of Greek, German, and French for such study.

LAW COURSES FOR ACADEMIC STUDENTS

PROFESSORS BOLICH, BRADWAY, HORACK, LATTY, LOWNDES, MAGGS, POTEAT, SHEPHERD; ASSOCIATE PROFESSOR SANDERS; MR. ROALFE

The first-year program of the Law School is as follows:

<i>Subject</i>	<i>Hours per Semester</i>		<i>Instructor</i>
Contracts.....	3	3	SHEPHERD
Legal Research and Writing.....	2	2	ROALFE, BRADWAY (WITH LEGAL AID CLINIC STAFF) AND FIRST-YEAR FACULTY
Property.....	2	2	LATTY, BOLICH
Torts.....	2	3	MAGGS
Criminal Law and Its Administration.....	3		SANDERS
Introduction to Procedure.....	3		POTEAT
Introduction to Equity.....		2	HORACK
Negotiable Instruments and Banking.....		3	LOWNDES
	15	15	

MATHEMATICS

PROFESSOR GERGEN, CHAIRMAN; PROFESSOR ELLIOTT, DIRECTOR OF UNDERGRADUATE STUDIES; ASSISTANT PROFESSOR HICKSON, SUPERVISOR OF FRESHMAN INSTRUCTION; PROFESSORS RANKIN AND THOMAS; ASSOCIATE PROFESSORS CARLITZ AND ROBERTS; ASSISTANT PROFESSOR PATTERSON; DRS. BOAS AND DRESSEL; MISS LAYNE (PART-TIME) AND MR. WADE (PART-TIME); AND ASSISTANTS

1. Introduction to College Algebra.—3 s.h. STAFF

2. Plane Trigonometry.—3 s.h. STAFF

3-4. Mathematical Analysis for Students of Business.—6 s.h. STAFF

7. Algebra and Trigonometry.—3 s.h. STAFF

8. Introduction to Analytic Geometry and Calculus.—3 s.h. STAFF

9-10. First-Year Engineering Mathematics.—10 s.h. STAFF

50. Analytic Geometry.—3 s.h.

(W): ASSOCIATE PROFESSOR CARLITZ (*first semester*) and
PROFESSOR GERGEN (*second semester*);

(E): PROFESSOR ELLIOTT (*second semester*)

51-52. Differential and Integral Calculus.—Prerequisite: Mathematics 50 or permission from the instructor. 6 s.h.

PROFESSOR ELLIOTT (51 first semester, 52 second semester);

ASSOCIATE PROFESSOR CARLITZ (51 second semester);

ASSISTANT PROFESSOR HICKSON (52 first semester)

59-60. Second-Year Engineering Mathematics.—Prerequisite: Mathematics 9-10 or the equivalent. 8 s.h.

PROFESSOR RANKIN; ASSISTANT PROFESSOR PATTERSON;
DR. DRESSEL

64. Mathematics of Artillery Fire.—Prerequisite: Mathematics 7 or the equivalent. 3 s.h. PROFESSOR THOMAS

71. **Mathematics of Investment.**—Prerequisite: 6 semester-hours of college mathematics. 3 s.h. ASSISTANT PROFESSOR HICKSON

74. **Statistics.**—Prerequisite: 6 semester-hours of college mathematics. 3 s.h. ASSISTANT PROFESSOR HICKSON
[Not offered in 1941-42]

76. **Mathematical Theory of Economics.**—Prerequisite: Mathematics 4 or Mathematics 8 or the equivalent. 3 s.h. ASSISTANT PROFESSOR HICKSON

131. **Elementary Differential Equations.**—Prerequisite: integral calculus. 3 s.h. ASSISTANT PROFESSOR HICKSON

139-140. **Second Course in Calculus.**—Prerequisite: integral calculus. 6 s.h. PROFESSOR ELLIOTT

160. **Elementary Solid Analytic Geometry.**—Prerequisite: integral calculus. 3 s.h.
[Not offered in 1941-42]

161-162. **Reading Course for Juniors.**

163-164. **Reading Course for Seniors.**

FOR SENIORS AND GRADUATES

201. **History of Mathematics.**—Prerequisite: differential calculus. 3 s.h. PROFESSOR RANKIN

204. **Teaching of Mathematics.**—3 s.h. PROFESSOR RANKIN

225. **Theory of Equations.**—Prerequisite: differential calculus. 3 s.h. PROFESSOR THOMAS

227-228. **Theory of Numbers.**—Prerequisite: integral calculus. 6 s.h. [Not offered in 1941-42] ASSOCIATE PROFESSOR CARLITZ

229-230. **Algebraic Numbers.**—Prerequisite: Mathematics 225. 6 s.h. [Not offered in 1941-42] ASSOCIATE PROFESSOR CARLITZ

235-236. **Modern Algebra.**—Prerequisite: differential calculus. 6 s.h. [Not offered in 1941-42]

255-256. **Projective Geometry.**—Prerequisite: differential calculus. 6 s.h. [Not offered in 1941-42]

271-272. **Introductory Topology.**—Prerequisite: integral calculus. 6 s.h. ASSOCIATE PROFESSOR ROBERTS

275. **Probability.**—Prerequisite: integral calculus. 3 s.h. [Not offered in 1941-42]

281. **Elementary Potential Theory.**—Prerequisite: integral calculus. 3 s.h. [Not offered in 1941-42]

282. **Differential Equations of Mathematical Physics.**—Prerequisite: integral calculus. 3 s.h. DR. DRESSEL
[Not offered in 1941-42]

283. **Fourier Series and Spherical Harmonics.**—Prerequisite: integral calculus. 3 s.h. DR. DRESSEL

284. **Vector Analysis.**—Prerequisite: integral calculus. 3 s.h. PROFESSOR THOMAS

287. **Mathematical Logic.**—3 s.h.

[Not offered in 1941-42]

288. **Foundations of Mathematics.**—3 s.h.

[Not offered in 1941-42]

291-292. **Theory of Functions.**—Prerequisite: Mathematics 140. 6 s.h.

PROFESSOR GERGEN

DEPARTMENTAL MAJOR

Prerequisite: Six semester-hours of Freshman mathematics.

Major Requirements: Mathematics 51-52 or 59-60 and twelve semester-hours in courses numbered above 100. These twelve hours must be approved by the Department through the Director of Undergraduate Studies.

DEPARTMENTAL HONORS PROGRAM

Prerequisites: A student who meets the general requirement as to candidacy of the Honors Group, who has completed Mathematics 51 or 59 and who has earned an average grade of "B" or better in his courses in mathematics, may become a candidate for Honors.

Honors Work:

(a) **Work in Mathematical Courses:** To graduate with Honors a candidate must complete, during his Honors program, a minimum of eighteen semester-hours of course work in regular open courses numbered above 100. These courses must be completed with an average grade of "B" or better.

(b) **Tutorial Work:** During his Honors program a candidate reads on special topics in mathematics under the personal supervision of a tutor. A candidate must earn a minimum of six semester-hours of credit in his tutorial work. He cannot earn more than nine semester-hours in his tutorial work, nor more than thirty-six semester-hours for his course work in mathematics and his tutorial work combined.

(c) **Work in Courses in Related Fields:** A candidate must earn a sufficient number of semester-hours of credit in courses in related fields to complete with the credit obtained in (a) and (b) the sixty semester-hours required in the Honors Group.

A candidate's program must be approved by the Departmental Honors Adviser.

General Honors Examination: At the end of the Senior year each candidate reading for Honors in mathematics must pass a comprehensive examination on his Honors program. This examination may be written, oral, or both. Faculty members from other departments and other institutions may be invited to participate in this examination.

MUSIC

DEAN BALDWIN, ACTING CHAIRMAN; MR. BRUINSMA, DIRECTOR OF UNDERGRADUATE STUDIES; MR. BROADHEAD, SUPERVISOR OF FRESHMAN INSTRUCTION;
MISS EIDAM

THEORY

11-12. **Fundamentals of Music.**—6 s.h.

MR. BRUINSMA

61-62. **Counterpoint, Canon, and Fugue.**—Prerequisite: Music 11-12. 6 s.h.
[Not offered in 1941-42]

MR. BROADHEAD

71-72. **Analysis of Form.**—Prerequisite: Music 11-12. 6 s.h.

MR. BRUINSMA

111-112. **Harmnoy.**—Prerequisite: Music 11-12. 6 s.h. Mr. BRUINSMA

121-122. **Orchestration and Conducting.**—Prerequisite: Music 11-12. 6 s.h.
Mr. BRUINSMA

HISTORY AND CRITICISM

81-82. **Introduction to Musical Literature.**—6 s.h. Mr. BROADHEAD

131. **Symphonic Literature.**—Prerequisite: Music 81-82 or consent of instructor. 3 s.h.

132. **Symphonic Literature.**—Prerequisite: Music 131. 3 s.h.

142. **Organ Literature.**—Prerequisite: Music 81-82. 3 s.h.
[Not offered in 1941-42] Mr. BROADHEAD

197. **Bach.**—3 s.h. Mr. BROADHEAD

198. **Beethoven.**—3 s.h. Mr. BROADHEAD

MUSIC EDUCATION

101. **Vocal Methods.**—Prerequisite: Music 11-12. 3 s.h. Mr. BRUINSMA

102. **Instrumental Methods.**—Prerequisite: Music 11-12. 3 s.h.
[Not offered in 1941-42] Mr. BRUINSMA

151-152. **Fundamentals of Music for Education Students.**—6 s.h.
Mr. BRUINSMA

PHILOSOPHY

PROFESSOR WIDGERY, CHAIRMAN; ASSOCIATE PROFESSOR MORGAN, DIRECTOR OF UNDERGRADUATE STUDIES; DR. McLARTY, SUPERVISOR OF FRESHMAN INSTRUCTION; PROFESSORS GILBERT AND SMITH; ACTING PROFESSOR DUBS; AND ASSOCIATE PROFESSOR LEONARD

For courses marked * there is a prerequisite of three hours of philosophy; admission otherwise by permission of the instructor. Sophomores may in general take courses prescribed for Juniors by permission of the instructor.

48. **Introduction to Logic and Scientific Method.**—3 s.h.
ASSOCIATE PROFESSOR LEONARD

95. **Introduction to Ethics.**—3 s.h.
PROFESSOR GILBERT AND ASSOCIATE PROFESSOR MORGAN

96. **The Development of American Philosophy.**—3 s.h.
ASSOCIATE PROFESSOR MORGAN

101. **Introduction to Philosophy.**—3 s.h.
PROFESSOR WIDGERY (*first semester*)
DR. McLARTY (*second semester*)
PROFESSOR GILBERT

103. **Logic.**—3 s.h. ASSOCIATE PROFESSOR LEONARD
[In alternate years—not offered in 1941-42]

104. **Scientific Methodology.**—3 s.h. ASSOCIATE PROFESSOR LEONARD
[In alternate years—not offered in 1941-42]

105. **Introduction to the History of Philosophy: Ancient and Medieval.**—3 s.h.
DR. McLARTY

106. **Introduction to the History of Philosophy: Modern.**—3 s.h.
PROFESSOR WIDGERY AND DR. McLARTY

108. Philosophical Ideas in Ancient Greek and Roman Culture.—3 s.h.
DR. McLARTY
114. Seventeenth-Century Philosophy, with Special Reference to Spinoza.—
—3 s.h. PROFESSOR GILBERT
119. Fundamentals of Christian Morality: An Introduction to Christian
Ethics.—3 s.h. DR. McLARTY
121. The Philosophy of Plato.—3 s.h. DR. McLARTY

FOR SENIORS AND GRADUATES

- 201-202. The Philosophy of Art.—6 s.h. PROFESSOR GILBERT
[In alternate years—not offered in 1941-42]
203. The Philosophy of Conduct.—3 s.h. ASSOCIATE PROFESSOR MORGAN
204. Christian Ethics.—3 s.h. PROFESSOR SMITH
205. The Philosophy of History.—3 s.h. PROFESSOR WIDGERY
[In alternate years—not offered in 1941-42]
208. Political Philosophy.—3 s.h. ASSOCIATE PROFESSOR MORGAN
[In alternate years—not offered in 1941-42]
- 209-210. The Philosophy of Religion.—6 s.h. PROFESSOR WIDGERY
[In alternate years—not offered in 1941-42]
211. Philosophy of Civilization.—3 s.h. ASSOCIATE PROFESSOR MORGAN
- 213-214. History of Aesthetics.—6 s.h. PROFESSOR GILBERT
[In alternate years—offered in 1941-42]
217. The Philosophy of Aristotle.—Prerequisite: course 105.
DR. McLARTY
224. Contemporary Philosophy.—3 s.h. PROFESSOR WIDGERY
[Not offered in 1941-42]
226. The History of Ethics.—3 s.h. ASSOCIATE PROFESSOR MORGAN
[In alternate years—offered in 1941-42]
- 231-232. Philosophy of Science.—6 s.h. ASSOCIATE PROFESSOR LEONARD
236. Oriental Philosophy I.—Chinese Philosophy. 3 s.h. ACTING PROFESSOR DUBS
[In alternate years—offered in 1941-42]
238. Oriental Philosophy II.—Indian Philosophy. 3 s.h. PROFESSOR WIDGERY
[In alternate years—not offered in 1941-42]
241. Logic.—3 s.h. ASSOCIATE PROFESSOR LEONARD
[In alternate years—offered in 1941-42]
242. Scientific Methodology.—3 s.h. ASSOCIATE PROFESSOR LEONARD
[In alternate years—offered in 1941-42]
244. Nietzsche and the Nineteenth Century.—3 s.h. ASSOCIATE PROFESSOR MORGAN
[In alternate years—not offered in 1941-42]
- 245-246. Philosophical Foundations of Religious Belief.—6 s.h. ACTING PROFESSOR DUBS
[In alternate years—not offered in 1941-42]
248. Philosophy of Values.—First semester. 3 s.h. ACTING PROFESSOR DUBS
[In alternate years—not offered in 1941-42]

RELATED COURSES IN OTHER DEPARTMENTS

Education 200. Introduction to the Philosophy of Education.

Greek 107-108.—Plato.—Euripides.

Greek 209-210. Plato.

History 221-222. The Age of the Renaissance.

Mathematics 287. Mathematical Logic.

Mathematics 288. Foundations of Mathematics.

Physics 213-214. Contemporary Physics.

Political Science 223. Political Thought to the Seventeenth Century.

Political Science 224. Modern Political Theory.

Psychology 228. Psychology of Belief.

DEPARTMENTAL MAJOR

The student is required to take courses amounting to at least eighteen credit hours in the Department. Of these six must be Philosophy 105-106, Introduction to the History of Philosophy; and six must be from courses in the 200 series. The student is advised to consult with an instructor in the Department as to the courses most suitable to fit in his general plan of study.

PHYSICS

PROFESSOR NIELSEN, CHAIRMAN; PROFESSOR HATLEY, DIRECTOR OF UNDERGRADUATE STUDIES; ASSISTANT PROFESSOR CARPENTER, SUPERVISOR OF FRESHMAN INSTRUCTION; PROFESSORS EDWARDS, NORDHEIM, SPONER; ASSISTANT PROFESSORS CONSTANT AND MOUZON; DRs. BONNER AND HEBB;
AND ASSISTANTS

The courses in physics are designed to meet the needs of three classes of students: (1) those desiring to specialize in physics with a view to work in teaching or investigation; (2) those intending to pursue the study of medicine, biology, or chemistry; (3) those looking forward to the study of engineering. The work of the first year is designed to lay a broad foundation for subsequent study.

An elementary knowledge of the calculus and credit for 12 semester-hours in physics is required in all courses numbered 200 and above.

1-2. Introductory Physics.—8 s.h.

ASSISTANT PROFESSOR CARPENTER; PROFESSORS EDWARDS
AND HATLEY; DR. HEBB; AND ASSISTANTS

17-18. Engineering Physics.—6 s.h.

ASSISTANT PROFESSOR MOUZON; DRs. BONNER AND HEBB

51-52. General Physics.—Prerequisite: Mathematics 7-8 or equivalent.
10 s.h. PROFESSOR HATLEY; ASSISTANT PROFESSOR CARPENTER; AND DR. BONNER

57-58. Engineering Physics.—6 s.h.

ASSISTANT PROFESSOR MOUZON; DRs. BONNER AND HEBB

59-60. Elementary Atomic Physics.—Prerequisite: a year course of college physics and the calculus completed or taken concurrently. 6 s.h.
[Not offered in 1941-42] PROFESSOR NIELSEN

61. **Mechanics.**—Prerequisite: a year course of college physics and the calculus completed or taken concurrently. 3 s.h. DR. HEBB

62. **Heat.**—Prerequisite: a year course in college physics and the calculus completed or taken concurrently. 3 s.h. ASSISTANT PROFESSOR CARPENTER

65-66. **Intermediate Physics.**—Prerequisite: Physics 1-2 or its equivalent. 6 s.h. PROFESSOR EDWARDS

103. **Electricity and Magnetism.**—Prerequisite: a year course in college physics and the calculus. Three lectures and one three-hour laboratory period per week. 4 s.h. ASSISTANT PROFESSOR CONSTANT

104. **Electrical Measurements.**—A fundamental course in electrical engineering is a prerequisite. 3 s.h. PROFESSOR NIELSEN AND ASSISTANT PROFESSOR CONSTANT

106. **Photography.**—Prerequisite: a year course in college physics and the consent of the instructor. 3 s.h. DR. BONNER

108. **Physical Optics.**—Prerequisite: a year course in college physics and the calculus. 4 s.h. PROFESSOR HATLEY

211. **History of Physics.**—2 s.h. PROFESSOR EDWARDS

213-214. **Contemporary Physics.**—6 s.h. ASSISTANT PROFESSOR CONSTANT

215-216. **Atomic Physics Laboratory.**—2-4 s.h. PROFESSOR NIELSEN AND ASSISTANT PROFESSOR MOUZON

217-218. **Advanced General Physics Laboratory.**—2 s.h. PROFESSOR NIELSEN AND ASSISTANT PROFESSOR MOUZON

219. **Vacuum Tubes and Their Application.**—3 s.h. ASSISTANT PROFESSOR MOUZON

221-222. **Introduction to Theoretical Physics.**—8 s.h. ASSISTANT PROFESSOR CONSTANT

225-226. **Elementary Investigations.**—3-6 s.h. THE STAFF

DEPARTMENTAL MAJOR

A. For the degree of A.B.:

Prerequisites: Physics 1-2 or equivalent, and Mathematics 1-2 or 7-8.

Major Requirements: 18 to 24 hours in courses approved by the Department. (Students who have a considerable number of hours in a closely allied field may, with the approval of the Department, count Physics 51-52 or Physics 57-58 as a major requirement.)

B. For the degree of B.S.:

Prerequisites: Physics 1-2, Chemistry 1-2 and Mathematics 7-8 or equivalent.

Major Requirements: Not less than 24 hours in courses approved by the Department, not less than 6 hours of which must be in the 200 group.

DEPARTMENTAL HONORS PROGRAM

Prerequisites: Physics 1-2, 51-52, or 57-58 and 6 s.h. additional work in physics above the Freshman level; Mathematics 6 s.h. and Chemistry 1-2.

Honors Program: Physics 103, 108, 215-216 and 221-222; Mathematics 51-52 and 131; electives subject to the approval of the Departmental Honors Committee, 25 s.h., or enough to satisfy the requirements for graduation, of

which at least 6 s.h. must be either a course in Geology or an advanced course in Chemistry, Botany, Zoology, or Mathematics.

In addition, the student will arrange with his Adviser for the performance of a limited number of elementary physical investigations. This will consist of both readings and experimental work which in general will constitute a survey of the classical and modern aspects of physics for which 10 s.h. credit will be allowed.

At the end of both the Junior and Senior years, the student will be given both an oral and a written examination in the field of physics.

POLITICAL SCIENCE

PROFESSOR WILSON, CHAIRMAN ; PROFESSOR RANKIN, DIRECTOR OF UNDERGRADUATE STUDIES ; ASSISTANT PROFESSOR GIBSON, SUPERVISOR OF FRESHMAN INSTRUCTION ; PROFESSOR VON BECKERATH ; ASSOCIATE PROFESSORS COLE AND SHIPMAN ; ASSISTANT PROFESSOR LINEBARGER ; DR. SIMPSON

21. Principles of Government.—3 s.h.

ASSISTANT PROFESSOR GIBSON AND DR. SIMPSON

22. Governmental Problems in International Relations.—3 s.h.

ASSISTANT PROFESSOR GIBSON AND DR. SIMPSON

61-62. American Government and Politics.—6 s.h.

PROFESSORS RANKIN AND WILSON ; ASSOCIATE PROFESSORS COLE AND SHIPMAN ; ASSISTANT PROFESSORS GIBSON AND LINEBARGER ; DR. SIMPSON

Course 61-62 is ordinarily taken before any advanced course in political science. A student who has not had course 61-62 or equivalent work may take an advanced course in the Department with the approval of the instructor giving the advanced course.

111. Contemporary Problems in Far Eastern Politics.—3 s.h.

ASSISTANT PROFESSOR LINEBARGER

125. American Political Parties and Practical Politics.—3 s.h.

DR. SIMPSON

136. Major European Governments.—3 s.h.

ASSOCIATE PROFESSOR COLE

141. Public Regulation.—3 s.h.

ASSOCIATE PROFESSOR SHIPMAN

151-152. Spanish-American Political Institutions.—6 s.h.

ASSISTANT PROFESSOR GIBSON

172. Government and Agriculture.—3 s.h.

PROFESSOR VON BECKERATH

[Not offered in 1941-42]

174. Politics and Economics.—3 s.h.

PROFESSOR VON BECKERATH

207. American Constitutional Law and Theory.—3 s.h.

PROFESSOR WILSON

209. State and Local Government in the United States.—3 s.h.

PROFESSOR RANKIN

211. Political Institutions of the Far East.—3 s.h.

ASSISTANT PROFESSOR LINEBARGER

212. International Politics of the Far East.—3 s.h.

ASSISTANT PROFESSOR LINEBARGER

223. Political Thought to the Seventeenth Century.—3 s.h.

PROFESSOR WILSON

224. Modern Political Theory.—3 s.h. PROFESSOR WILSON
- 225-226. Comparative Government.—6 s.h. ASSOCIATE PROFESSOR COLE
- 227-228. International Law.—6 s.h. PROFESSOR WILSON
229. Recent and Contemporary Political Theory.—3 s.h.
[Not offered in 1941-42] ASSOCIATE PROFESSOR COLE
230. American Political Institutions.—3 s.h. PROFESSOR RANKIN
- 241-242. The Administrative Process.—6 s.h.
ASSOCIATE PROFESSOR SHIPMAN
244. Administrative Law.—3 s.h. ASSOCIATE PROFESSOR SHIPMAN
246. Legislation.—3 s.h.
[Not offered in 1941-42] ASSOCIATE PROFESSOR SHIPMAN
271. Socio-Politics and Capitalism.—3 s.h. PROFESSOR VON BECKERATH
291. Municipal Government.—3 s.h. PROFESSOR RANKIN
292. Municipal Administration.—3 s.h. PROFESSOR RANKIN

WORKING COLLECTION OF GOVERNMENT MATERIALS

It is a policy of the Department to gather and classify published and other materials of significance as illustrating actual processes of government. As a step toward the development of a laboratory of government, there has been made available in the University Library a working collection of government materials for student use both for general reference and in the handling of assigned individual projects.

DEPARTMENTAL MAJOR

Prerequisite: Political Science 61-62.

Major Requirements: Eighteen semester-hours of work in the Department above course 61-62, including at least nine semester-hours in Senior-Graduate courses.

HONORS WORK

Students who plan to take Honors in political science must have Junior standing and must have completed Political Science 61-62 and Economics 51-52 with satisfactory grades. Exceptions may be made in the case of students who are taking Economics 51-52 in their Junior year.

The Honors work will consist of two readings in political science and one in economics. In addition, a thesis will be required. The readings in political science will be given during the second semester of the Junior year and the first semester of the Senior year. The reading in economics may be selected from the offerings in that department. The thesis will be due on May 15 of the Senior year.

A weight of 15 hours will be given the readings and thesis (6-6-3) in political science. The reading in economics will increase the credit total to 21 semester-hours. The normal course load will be three courses each semester after the first semester of the Junior year, when four courses will be required. With the approval of the Departmental Honors Committee, an additional Honors Reading may be taken in a related department, with a corresponding reduction in the course requirements.

Oral or written examinations at the end of each reading and a general oral and written examination at the end of the Senior year will be required.

Honors readings in political science are as follows:

Comparative Government.—The theory and practice of modern European dictatorships and democracies. ASSOCIATE PROFESSOR COLE

Political Theory.—A consideration of political theory from the French Revolution to the present, with particular reference to American and Far Eastern contributions. ASSISTANT PROFESSOR LINEBARGER

PSYCHOLOGY

PROFESSOR LUNDHOLM, CHAIRMAN ; ASSOCIATE PROFESSOR ZENER, DIRECTOR OF UNDERGRADUATE STUDIES ; PROFESSOR RHINE ; ASSOCIATE PROFESSOR ADAMS ; ASSISTANT PROFESSOR KEMP ; DR. PRATT

- *101. Introduction to Psychology: General Principles of Mental Activity.—3 s.h. ASSISTANT PROFESSOR KEMP
[To be offered in the fall and spring.]
103. Conation and Our Conscious Life.—3 s.h. PROFESSOR LUNDHOLM
104. Comparative Psychology.—3 s.h. ASSOCIATE PROFESSOR ADAMS
[In 1941-42 to be given in first semester.]
106. Abnormal Psychology.—3 s.h. PROFESSOR LUNDHOLM
[Seniors and pre-medical Juniors only.]
110. Psychology of Motivation.—3 s.h. ASSOCIATE PROFESSOR ZENER
114. Psychology of Personality.—3 s.h. PROFESSOR RHINE, DR. PRATT
202. Psychology of Aesthetics.—3 s.h. PROFESSOR LUNDHOLM
[Not offered in 1941-42]
206. Social Psychology.—3 s.h. ASSOCIATE PROFESSOR ADAMS
[This course was previously numbered 201.]
207. Psychology of Memory, Perceiving, Thinking.—3 s.h. ASSOCIATE PROFESSOR ZENER
[Offered in spring semester 1942 only.]
- **209. Experimental Methods in Human Psychology.—Laboratory and lectures. 4 s.h. ASSOCIATE PROFESSOR ZENER
211. Physiological Psychology.—3 s.h. ASSISTANT PROFESSOR KEMP
[Offered in spring 1942]
215. Child Psychology.—3 s.h. ASSOCIATE PROFESSOR ADAMS
- **223. Abnormal Psychology.—3 s.h. PROFESSOR LUNDHOLM
226. Contemporary Schools of Psychology.—3 s.h. ASSOCIATE PROFESSOR ZENER
[Not offered in 1941-42]
228. Psychology of Belief.—2 s.h. PROFESSOR LUNDHOLM
[Seniors and graduate students only]
- 231-232. Introduction to Research.—2 or 3 s.h. PROFESSORS LUNDHOLM AND RHINE, ASSOCIATE PROFESSORS ADAMS AND ZENER, ASSISTANT PROFESSOR KEMP

DEPARTMENTAL MAJOR

Prerequisites: Zoology 1 and 2 or equivalent courses in biology.

Major Requirements: Eighteen semester-hours in psychology including Psychology 101 and at least six hours in Senior-Graduate courses. The student is advised to consult with some member of the Department in planning his course.

* This course is a prerequisite for all other courses in psychology.

** Limited registration. Admission only after consultation with instructor.

DEPARTMENTAL HONORS PROGRAM

Departmental Honors in psychology are governed by the general rules covering all Honors programs.

Prerequisite: The minimum requirement for admission to Honors in psychology is the completion of Psychology 101 with a grade of "B" or higher. Completion of Zoology 1-2 is strongly recommended.

Departmental Honors Program:

(a) Honors Readings.—Tutorial work with a member of the Department designated by the Honors Committee. This work shall be counted as the equivalent of three semester-hours in the Junior and six semester-hours in the Senior year.

(b) Courses in Psychology.—At least six courses in the Department in addition to the prerequisite (of which at least three must be of Senior-Graduate level).

(c) Courses in Related Fields.—To complete the total of sixty semester-hours. All courses are to be chosen by consultation with the Departmental Honors Adviser.

(d) At the end of the Senior year.—A final written and oral examination on the fields of psychology chosen, and an experimental or critical paper on a selected problem.

RELIGION

PROFESSOR MYERS, CHAIRMAN AND DIRECTOR OF UNDERGRADUATE STUDIES; ASSISTANT PROFESSOR PETRY, SUPERVISOR OF FRESHMAN INSTRUCTION; PROFESSORS CANNON, HICKMAN, ORMOND, ROWE AND SPENCE; ASSOCIATE PROFESSOR STINESPRING; ASSISTANT PROFESSORS CLARK, CRUM, AND OUTLER; DR. LEVER AND MRS. SPENCE

1. The English Bible.—3 s.h.

ASSISTANT PROFESSOR PETRY; PROFESSORS MYERS AND ORMOND;
ASSISTANT PROFESSOR CRUM; DR. LEVER AND MRS. SPENCE

2. The English Bible.—3 s.h.

ASSISTANT PROFESSOR PETRY; PROFESSORS MYERS AND ORMOND;
ASSISTANT PROFESSOR CRUM; DR. LEVER AND MRS. SPENCE

51. The History of the Hebrew People.—3 s.h.

PROFESSORS MYERS AND SPENCE; ASSISTANT PROFESSOR OUTLER; MRS. SPENCE

52. New Testament Life and Literature.—3 s.h.

PROFESSOR MYERS; ASSISTANT PROFESSORS CRUM AND OUTLER; MRS. SPENCE

101. The Social Teachings of the Prophets and Jesus.—3 s.h.

PROFESSOR ORMOND

102. The Christian Church in the Social Order.—3 s.h.

[Not offered in 1941-42]

PROFESSOR ORMOND

103. The Prophets of the Old Testament.—3 s.h.

[Not offered in 1941-42]

PROFESSOR MYERS

104. The History and Religion of the Jews to the Roman Period.—3 s.h.

[Not offered in 1941-42]

PROFESSOR MYERS

105. Religion in the Old Testament.—3 s.h.

PROFESSOR ROWE

106. Religion in the New Testament.—3 s.h.

PROFESSOR ROWE

114. The Life and Teachings of Jesus.—3 s.h.

PROFESSOR MYERS

151. Personality and Human Values.—3 s.h.

PROFESSOR HART

163. Religious Education of Children.—3 s.h. MRS. SPENCE
167. Contemporary Religious Problems.—3 s.h. PROFESSOR SPENCE
168. Masterpieces of Great Religious Literature.—3 s.h.
(Old number SR.270.) PROFESSOR SPENCE
169. Character Problems.—3 s.h. ASSISTANT PROFESSOR CRUM
170. Religion and the Family.—3 s.h. ASSISTANT PROFESSOR CRUM
181. The Nature and Early Development of Religion.—3 s.h.
PROFESSOR CANNON
182. Living Religions of the World.—3 s.h. (Old number 282.)
PROFESSOR CANNON
191. Fundamentals of Christian Morality: An Introduction to Christian Ethics. (Identical with Philosophy 119.) 3 s.h. DR. McLARTY
193. A Study of Materials Suitable for Public School Courses in Religion and Ethics, including the English Bible and other religious literature. 3 s.h. ASSISTANT PROFESSOR CRUM
- 201-202. First Hebrew.—6 s.h. ASSOCIATE PROFESSOR STINESPRING
- SR.211-212. Hellenistic Greek.—6 s.h. ASSISTANT PROFESSOR CLARK
219. Life of Paul.—3 s.h. PROFESSOR MYERS
[Not offered in 1941-42]
262. The Educational Work of the Church.—3 s.h. PROFESSOR SPENCE
263. Curriculum of Religious Education.—3 s.h. PROFESSOR SPENCE
- SR.265. Religious Drama.—3 s.h. PROFESSOR SPENCE
267. Technic of Teaching Religion.—3 s.h. PROFESSOR SPENCE
[Not offered in 1941-42]
- SR.268. Religious Drama Construction and Production.—3 s.h.
PROFESSOR SPENCE
275. Psychology of Religion I.—3 s.h. PROFESSOR HICKMAN
[Not offered in 1941-42]
276. Psychology of Religion II.—3 s.h. PROFESSOR HICKMAN
[Not offered in 1941-42]
285. The Religions of the Far East.—3 s.h. ACTING PROFESSOR DUBS
- Note: A complete list of advanced courses in the field of Religion will be found in the *Bulletin of the Divinity School*.

DEPARTMENTAL MAJOR

Prerequisite: Religion 1-2, or 51-52.

Major Requirements: A major in the Department of Religion consists of twenty-four semester-hours of work, exclusive of courses primarily for Freshmen, eighteen semester-hours of which shall be selected with the approval of the instructor under whose supervision the student does his major work.

DEPARTMENTAL HONORS PROGRAM

General Rules:

I. The Departmental Honors Program constitutes the work of the Honors student during the Junior and Senior years. This program shall be the equivalent of sixty semester-hours of work.

II. The minimum amount of work that may be taken in the Department of Religion shall be the equivalent of twenty-four semester-hours, and the max-

imum shall be the equivalent of thirty-six semester-hours. Of this, the work done in the Honors tutorials shall count fifteen hours, six hours for the Junior year, six hours for the Senior year, and three hours for the comprehensive examination at the end of the Senior year.

III. The related work, which shall constitute at least two fifths of the Honors program, that is, the equivalent of twenty-four semester-hours, must be distributed among not less than two departments, unless the departmental committee gives special permission for the student to take his related work in one department.

Prerequisite:

The minimum requirement for admission to Honors in Religion is the completion of a course in Religion during the Sophomore year on which the student makes at least a grade of "B."

Normal Program:

The normal program for the Honors student in the Junior year shall consist of the Honors tutorial, two courses in the Department of Religion, and two courses in related departments; in the Senior year the work shall consist of the Honors tutorial, one and one-half courses in Religion, and two in related departments.

General Honors Examinations:

Two comprehensive written examinations and a supplementary oral examination will be held at the end of the Senior year to test the student's knowledge of the special field in which he has done his honors work.

ROMANCE LANGUAGES

PROFESSOR WEBB, CHAIRMAN AND DIRECTOR OF UNDERGRADUATE STUDIES; ASSISTANT PROFESSOR DAVIS, SUPERVISOR OF FRESHMAN INSTRUCTION IN FRENCH; ASSISTANT PROFESSOR HASBROUCK, SUPERVISOR OF FRESHMAN INSTRUCTION IN SPANISH; PROFESSORS COWPER AND JORDAN; ASSOCIATE PROFESSORS LUNDEBERG AND WALTON; ASSISTANT PROFESSORS BRIDGERS, QUINN, RAYMOND, REID, AND YOUNG; DR. DOW, MME. DOW, MR. PRATT; AND ASSISTANTS

FRENCH

1-2. Elementary French.—6 s.h.

PROFESSOR WEBB; ASSISTANT PROFESSORS BRIDGERS AND QUINN; DR. DOW

3-4. French Prose.—Prerequisites: French 1 and 2, or two years of high-school French. 6 s.h.

PROFESSORS COWPER AND JORDAN; ASSOCIATE PROFESSOR WALTON; ASSISTANT PROFESSORS BRIDGERS, DAVIS, QUINN, AND RAYMOND; DR. DOW AND MME. DOW

51-52. Introduction to French Literature.—Prerequisites: French 3 and 4 or equivalent. 6 s.h.

PROFESSORS COWPER AND JORDAN; ASSISTANT PROFESSORS BRIDGERS, DAVIS, QUINN, RAYMOND, AND YOUNG; DR. DOW

57-58. Introduction to French Literature.—Prerequisites: French 3 and 4 or equivalent. 6 s.h.

PROFESSOR WEBB AND ASSOCIATE PROFESSOR WALTON

Students will take course 51-52 or 57-58. They will not take both 51 and 57 or 52 and 58. Total credit in these courses is limited to six semester-hours. They are the basic prerequisites to all higher courses.

55. Exercises in Spoken French.—1 s.h.

MME. LINIÈRE DOW

56. Exercises in Spoken French.—1 s.h. MME. LINIÈRE DOW
55 and 56 may be taken with 51-52 or courses of a higher number.
- 87-88. French Writers of the Romantic Movement.—6 s.h.
 ASSISTANT PROFESSOR DAVIS
May not be taken with or in addition to course 108.
107. French Composition.—3 s.h.
 PROFESSOR COWPER AND ASSISTANT PROFESSOR RAYMOND
108. The French Romantic Movement.—3 s.h.
 PROFESSOR COWPER AND ASSISTANT PROFESSOR RAYMOND
May not be taken with or in addition to course 87-88.
111. French Drama since 1850.—3 s.h. ASSISTANT PROFESSOR YOUNG
112. French Drama since 1850.—3 s.h. ASSISTANT PROFESSOR YOUNG
115. Balzac and His Age.—3 s.h. ASSISTANT PROFESSOR BRIDGERS
116. Balzac and His Age.—3 s.h. ASSISTANT PROFESSOR BRIDGERS
127. Advanced French Composition.—Prerequisite: French 107 or equivalent. 3 s.h. MME. LINIÈRE DOW
128. Advanced French Composition.—Prerequisite: French 107 or equivalent. 3 s.h. MME. LINIÈRE DOW
213. French Classicism.—From Malherbe to La Bruyère. 3 s.h.
 ASSOCIATE PROFESSOR WALTON
214. French Classicism.—From La Bruyère to the Encyclopedists and Beaumarchais. 3 s.h. ASSOCIATE PROFESSOR WALTON
- 215-216. The Modern French Novel.—Prerequisite: 87-88 or 3 s.h. from courses 108 to 116. 6 s.h. PROFESSOR JORDAN
217. French Phonetics.—Prerequisite: 3 s.h. from courses 107 or 127-128. 3 s.h. Second semester. PROFESSOR WEBB
218. Materials and Methods.—Prerequisites: for French, 107; or equivalent for Spanish. 3 s.h. First semester. PROFESSOR WEBB
219. Old French.—3 s.h. PROFESSOR COWPER
220. Old French.—3 s.h. PROFESSOR COWPER
227. French Poetry since Théophile Gautier.—3 s.h.
 [Not offered in 1941-42] ASSOCIATE PROFESSOR WALTON
232. Rousseau and the Beginnings of Romanticism.—3 s.h.
 [Not offered in 1941-42] PROFESSOR COWPER
233. Main Currents of Modern French Literature.—3 s.h.
 [Not offered in 1941-42] PROFESSOR WEBB

ITALIAN

- 181-182. Italian.—6 s.h. PROFESSOR WEBB

ROMANCE LITERATURE IN TRANSLATION

- 191-192. Masterpieces of Romance Literature in English Translation.—6 s.h. ASSISTANT PROFESSOR HASBROUCK

SPANISH

1-2. Elementary Spanish.—6 s.h.

ASSISTANT PROFESSORS DAVIS, HASBROUCK, QUINN,
REID, AND YOUNG; DR. DOW AND MR. PRATT

3-4. Intermediate Spanish.—Prerequisites: Spanish 1-2 or two years of high-school Spanish. 6 s.h.

ASSOCIATE PROFESSOR LUNDEBERG; ASSISTANT PROFESSORS
BRIDGERS, HASBROUCK, QUINN AND REID

65. Introduction to Modern Spanish Literature.—Prerequisites: Spanish 3-4 or equivalent. 3 s.h.

ASSOCIATE PROFESSOR LUNDEBERG; ASSISTANT
PROFESSORS HASBROUCK AND REID

66. Introduction to Spanish Literature of the Golden Age.—Prerequisites: Spanish 65 or equivalent. 3 s.h.

ASSOCIATE PROFESSOR LUNDEBERG; ASSISTANT PROFESSOR HASBROUCK
Spanish 65-66 are the basic prerequisites to all higher courses.

71. Exercises in Spoken Spanish.—Prerequisites: completion of Spanish 4 or equivalent and approval of instructor. 1 s.h.

ASSISTANT PROFESSOR REID

72. Exercises in Spoken Spanish.—1 s.h.

ASSISTANT PROFESSOR REID

155-156. Survey of Spanish-American Literature.—Prerequisites: Spanish 65-66 or special permission. 6 s.h.

ASSISTANT PROFESSOR REID

157-158. The Modern Spanish Theater.—Prerequisites: Spanish 65-66 or 3-4 with permission. 6 s.h.

ASSISTANT PROFESSOR HASBROUCK

[Not offered in 1941-42]

253. Spanish Phonetics.—Prerequisite: Spanish 65-66. 3 s.h.

ASSOCIATE PROFESSOR LUNDEBERG

260. Advanced Syntax and Composition.—Prerequisites: Spanish 65-66. 3 s.h.

ASSISTANT PROFESSOR REID

261-262. The Modern Spanish Novel.—Prerequisites: 6 s.h. from courses 155 to 158 inclusive, or 65-66 with permission. 6 s.h.

[Not offered in 1941-42]

ASSOCIATE PROFESSOR LUNDEBERG

265. Golden Age Literature: Cervantes.—Prerequisites: 6 s.h. from courses 155 to 158 inclusive, or 65-66 with permission. 3 s.h.

ASSOCIATE PROFESSOR LUNDEBERG

266. Golden Age Literature: The Don Juan Theme.—Prerequisites: 6 s.h. from courses 155 to 158 inclusive, or 65-66 with permission. 3 s.h.

[Not offered in 1941-42]

ASSOCIATE PROFESSOR LUNDEBERG

DEPARTMENTAL MAJOR

Prerequisites: French 1-2, 3-4, or equivalent, for French. Spanish 1-2, 3-4, or equivalent, for Spanish.

Major Requirements: In French, twenty-four semester-hours of work must be completed in courses above the Freshman level, and must include: (a) six semester-hours from the group 107, 127-128, 217; (b) six semester-hours of literature in courses numbered 213 to 233.

In Spanish, twenty-four semester-hours must be completed as follows: twelve semester-hours in the courses 65-66, 155-156, 157-158; twelve semester-hours from the group 253, 260, 261-262, 265-266.

Students desiring the recommendation of the Department for the teaching of French or Spanish will take in addition course 218.

DEPARTMENTAL HONORS PROGRAM

Prerequisites: Completion of 51-52 or 57-58 by the end of Sophomore year in a manner satisfactory to the Departmental Committee.

Honors work in French includes:

(a) Training in the use of written and oral French; composition, résumé, and literary commentary in French. 3 s.h. each semester of Junior and Senior years, total 12 s.h.

(b) Readings in French literature.

(1) Survey of chief authors. 3 s.h. each semester or 12 s.h.

(2) Genre studies beginning with the modern novel. 3 s.h. each semester or 12 s.h.

(c) Comprehensive examination.

(d) Related work: 24 s.h.

SOCIOLOGY

PROFESSOR ELLWOOD, CHAIRMAN; PROFESSOR JENSEN, DIRECTOR OF UNDERGRADUATE STUDIES; PROFESSOR HART; ASSOCIATE PROFESSORS GILLIN AND THOMPSON

91-92. General Sociology.—6 s.h.

PROFESSOR JENSEN, ASSOCIATE PROFESSOR GILLIN

101. General Sociology.—5 s.h.

PROFESSOR ELLWOOD

102. General Sociology.—5 s.h.

109. Sociology of the South.—Prerequisite: course 91-92, 101 or 231-232. 3 s.h.

ASSOCIATE PROFESSOR THOMPSON

111. Introduction to Child Welfare.—Prerequisite: course 91-92, 101 or 231-232. 3 s.h.

PROFESSOR JENSEN

114. Race Relations.—Prerequisite: course 91-92, 101 or 231-232. 3 s.h.

ASSOCIATE PROFESSOR THOMPSON

122. Personality and Culture.—Prerequisite: Sociology 91-92, 101 or 231-232. 3 s.h.

PROFESSOR HART

205. Social Pathology.—Prerequisite: course 91-92, 101 or 231-232. 3 s.h.

PROFESSOR JENSEN

206. Criminology.—Prerequisite: course 91-92, 101 or 231-232. 3 s.h.

PROFESSOR JENSEN

212. Child Welfare.—Prerequisite: course 91-92, 101 or 231-232. 3 s.h.

[Not offered in 1941-42]

PROFESSOR JENSEN

213. Constructive Social Policies.—Prerequisite: course 91-92, 101 or 231-232. 2 s.h.

[Not offered in 1941-42]

PROFESSOR JENSEN

217. Race and Culture.—Prerequisite: course 91-92, 101 or 231-232. 3 s.h.

ASSOCIATE PROFESSOR THOMPSON

219. Urban Sociology.—Prerequisite: course 91-92, 101 or 231-232. 3 s.h.

ASSOCIATE PROFESSOR THOMPSON

220. Rural Sociology.—Prerequisite: course 91-92, 101 or 231-232. 3 s.h.

ASSOCIATE PROFESSOR THOMPSON

227. Emigration and Immigration.—Prerequisite: course 91-92, 101 or 231-232. 3 s.h.

[Not offered in 1941-42]

PROFESSOR JENSEN

231. General Anthropology.—3 s.h. ASSOCIATE PROFESSOR GILLIN
232. Cultural Anthropology.—Prerequisite: course 91-92, 101, or 231. 3 s.h.
ASSOCIATE PROFESSOR GILLIN
234. Social Ethics.—3 s.h. PROFESSOR HART
237. Indians of North America.—Prerequisite: course 231. 3 s.h.
ASSOCIATE PROFESSOR GILLIN
238. Anthropology of South America.—Prerequisite: course 231. 3 s.h.
ASSOCIATE PROFESSOR GILLIN
242. Marriage and the Family.—Prerequisite: course 91-92, 101 or 231-232.
3 s.h. PROFESSOR HART
252. Education and Social Control.—Prerequisite: course 91-92, 101 or
231-232. 2 s.h. PROFESSOR ELLWOOD

DEPARTMENTAL MAJOR

Students desiring to take a major in sociology are required to complete course 91-92 or 101 or 102 or 231-232 and twelve additional hours in the Department, at least six of which must be from courses numbered 200 or over.

ZOOLOGY

ASSOCIATE PROFESSOR GRAY, CHAIRMAN AND DIRECTOR OF UNDERGRADUATE STUDIES;
ASSISTANT PROFESSOR BOOKHOUT, SUPERVISOR OF FRESHMAN INSTRUCTION;
ASSISTANT PROFESSOR JEFFERS, SUPERVISOR OF FRESHMAN INSTRUCTION
(WOMAN'S COLLEGE); PROFESSORS CUNNINGHAM, HALL, HARGITT,
PEARSE; DRs. CULBRETH, EVANS, JOHNSON, WHARTON,
WILSON; AND ASSISTANTS

1. General Zoology.—A brief survey of the animal kingdom. 4 s.h.
ASSISTANT PROFESSORS BOOKHOUT AND JEFFERS; DRs. CULBRETH,
JOHNSON, WHARTON; AND ASSISTANTS
2. Animal Biology.—Prerequisite: Zoology 1. 4 s.h.
ASSOCIATE PROFESSOR GRAY AND ASSISTANT PROFESSOR JEFFERS;
ASSISTANT PROFESSOR BOOKHOUT; DRs. CULBRETH,
WHARTON, WILSON; AND ASSISTANTS
53. Comparative Vertebrate Anatomy.—Prerequisites: Zoology 1 and 2.
4 s.h. ASSOCIATE PROFESSOR GRAY AND DR. CULBRETH;
DRs. WHARTON AND WILSON
92. General Embryology.—Prerequisite: Zoology 53. 4 s.h.
PROFESSOR CUNNINGHAM AND ASSISTANT PROFESSOR
JEFFERS; DR. JOHNSON
109. Evolution.—Prerequisite: two years of zoology. 2 s.h. DR. JOHNSON
110. Introduction to Genetics.—Prerequisite: One year of zoology. 2 s.h.
DR. JOHNSON
151. Comparative Physiology.—Prerequisite: Zoology 53. 4 s.h.
PROFESSOR HALL AND DR. CULBRETH; DR. WILSON; AND ASSISTANTS
156. Vertebrate Histology.—Prerequisite: Zoology 53. One lecture and
three laboratory periods. 4 s.h. PROFESSOR HARGITT
161. Animal Parasites.—Prerequisite: one year of zoology. 4 s.h.
PROFESSOR PEARSE

FOR SENIORS AND GRADUATES

204. **Advanced Parasitology.**—Prerequisite: Zoology 161. 3 or 4 s.h.
[Not offered in 1941-42] PROFESSOR PEARSE
- 219, 220. **Special Problems.**—Not more than 4 s.h. STAFF
222. **Entomology.**—Prerequisite: one year of zoology. 4 s.h.
ASSOCIATE PROFESSOR GRAY
224. **Vertebrate Zoology.**—Prerequisite: Zoology 161. 3 or 4 s.h.
[Not offered in 1941-42] ASSOCIATE PROFESSOR GRAY
229. **Endocrinology.**—Prerequisite: Zoology 53 and 92. 3 or 4 s.h.
PROFESSOR CUNNINGHAM
256. **Seminar: Current Developments in Physiological Zoology.**—Prerequisite: Zoology 151. 2 s.h. PROFESSOR HALL
224. **Vertebrate Zoology.**—Prerequisite: Zoology 53. 3 or 4 s.h.
ASSISTANT PROFESSOR BOOKHOUT

RELATED COURSES WHICH MAY BE COUNTED TOWARD A MAJOR IN ZOOLOGY

- Botany 101. Principles of Heredity.**—3 or 4 s.h.
ASSISTANT PROFESSOR PERRY
- Botany 103. General Bacteriology.**—4 s.h. PROFESSOR WOLF
- Botany 202. Genetics.**—4 s.h. ASSISTANT PROFESSOR PERRY

DEPARTMENTAL MAJOR

Prerequisites: Zoology 1 and 2.

Major Requirements: Twenty-four semester-hours including courses 53, 92, and 151. The remaining twelve hours may be from any other courses for which the student is eligible.

DEPARTMENTAL HONORS PROGRAM

For admission to candidacy for Honors in zoology a student is expected to have completed zoology courses 1, 2, 53, 92 and not less than eight semester-hours of chemistry.

Honors work consists of regular courses and independent study; the program, however, will not be the same for all students. Zoology 151 is required of all zoology majors; the number and nature of other courses to be taken in zoology and in related subjects will depend upon the needs and interests of the student. The usual number of semester courses will be four to six in Zoology and six in other subjects in the Natural Science Group.

In addition to regular courses each student shall read in such fields as history of biology and zoological theories, or in special fields, and shall undertake a special research problem under the direction of some member of the Staff whom the student may select. The student may be asked to prepare written reports on his readings and must present a written report on his research problem. Readings and problem count for nine to twelve semester-hours.

At the end of the Junior year an examination will be given to test the student's ability to correlate material and to determine his fitness to continue in the Honors Group. At the end of the Senior year a general comprehensive examination covering the entire field of study must be passed.

NAVAL SCIENCE AND TACTICS

PROFESSOR CLAY, Captain, U. S. Navy, Retired.

ASSOCIATE PROFESSOR CROSS, Lieutenant Commander, U. S. Navy.

1. Seamanship and Engineering.	STAFF
2. Electricity and Ordnance.	STAFF
51-52. Navigation and Nautical Astronomy.	STAFF
101. Seamanship and Aviation.	STAFF
102. Gunnery and Administration.	STAFF
151. Communications and Military Law.	STAFF
152. Leadership and Naval History.	STAFF

NAVAL RESERVE OFFICERS' TRAINING CORPS

The primary object of the Naval Reserve Officers' Training Corps is to provide systematic instruction and training in essential naval subjects for a group of selected students so that they may be qualified and available for duties as deck officers in the United States Navy. The work supplements other courses taken in the University so that graduates commissioned as Reserve Ensigns or Second Lieutenants will possess:

1. A good general education.
2. Sufficient knowledge of such naval subjects as seamanship, navigation, ordnance, military and international law, engineering, strategy and tactics, communications and theoretical aviation, to be qualified to perform the duties as a junior officer of the Naval Reserve.
3. A well-disciplined mind and body together with leadership in organization.
4. A knowledge of the value of naval ideals, customs, and traditions.

ADMISSION

Enrollment in the Naval Reserve Officers' Training Corps is entirely voluntary. Applications for enrollment may be made in advance. Enrollments are limited to Freshmen, but in some cases, and at the option of the Professor of Naval Science and Tactics, others who intend to remain at the University four full years after enrollment, may be admitted. Applicants must be unmarried, citizens of the United States, not less than fourteen or more than twenty-four years of age. They must pass a physical examination given by medical officers of the United States Navy.

All applicants must agree to be immunized from typhoid fever and small-pox, unless a satisfactory certificate of immunity from these diseases is furnished.

The study of navigation and other subjects included as a part of the course requires a basic knowledge of mathematics, including algebra, plane and solid geometry and plane trigonometry. Freshman mathematics will fulfill this requirement.

SELECTION

During Freshman Week, a board of naval officers attached to the Unit selects students for the course from the candidates who are found by examination to be physically qualified.

Each applicant is interviewed and examined personally and his previous record carefully studied. In its selection the board will be governed by the following:

1. Qualities of leadership as indicated by high-school and other activities.
2. Physical fitness.

3. Mental alertness as shown by academic record in secondary school, with particular stress being placed upon aptitude for mathematics.

4. Reasonable assurance of remaining at the University for four years in order to complete both the basic and advanced courses, as well as work for a degree in the University.

5. Interference of other duties arising both out of extracurricular activities and part-time employment, as well as other scholastic work. Students who intend to take a medical or a theological degree are not eligible for enrollment.

OUTLINE OF COURSE

The course in Naval Science and Tactics is a four-year course and runs continuously. Each semester's work is a prerequisite for the following semester's work. The course is technical to the extent that it makes available to the student a sufficient knowledge of naval subjects, which, combined with a background of naval experience, tradition, and custom acquired both in his academic work and in his practical cruise and at sea, will qualify him upon graduation to serve as an Ensign in the Naval Reserve. The four-year course is divided into the Basic course and the Advanced course. The Basic course comprises the work of the first two years. The Advanced course comprises the work of the final two years and is normally open only to Juniors who have completed the Basic course.

The course consists of three hours of class work and two hours of drill, lecture, or laboratory a week. Included in the course are the subjects of navigation and nautical astronomy, naval history, ordnance and gunnery, international and naval law, strategy and tactics, and naval engineering.

Each summer, unless some emergency interferes, Naval Reserve Officers' Training Corps students are permitted to make a cruise of three or four weeks on a ship of the United States Navy without expense to the student, except for personal spending money. The Advanced course cruise made by students at the end of their Junior year is a requirement for their commission. The students receive pay for this part of their shipboard training.

UNIFORMS, BOOKS AND EQUIPMENT

Students in the course are furnished complete uniforms by the Navy Department. However, students provide for themselves such items as collars, white shirts, black socks, and black shoes. The uniforms are the same as those worn by midshipmen at the United States Naval Academy, except for the distinctive corps device worn on the sleeve and cap. Uniforms are required to be worn only at the weekly drill or such other times as may be designated by the Professor of Naval Science and Tactics.

All books and equipment that the student needs in the course are lent to him without cost. A deposit of \$10.00 is required of each student to cover lost or damaged equipment. This deposit, or as much of it as remains, will be returned when the student severs his relation with the Unit.

SUBSISTENCE ALLOWANCE

Advanced course students are paid an allowance for subsistence from the time they enroll in the Advanced course. In addition students are allowed the Navy Seventh Grade pay while on the Advanced course practice cruise. These allowances vary from year to year, but ordinarily amount to approximately \$190 during the two years comprising the Advanced course.

STAFF

The Department of Naval Science and Tactics is an integral part of the University and the courses in Naval Science and Tactics are on the same level and receive the same form of credit toward graduation as other courses in the University. The staff consists of officers, all of whom are graduates

of the United States Naval Academy at Annapolis, assisted by Chief Petty Officers. All have had many years of active naval experience and are especially selected for this duty.

OBLIGATION AFTER GRADUATION

Satisfactory completion of the four years of training and the required cruise during the Advanced course will qualify the student for a commission as Ensign in the Naval Reserve or as a Second Lieutenant in the United States Marine Corps Reserve, provided he applies for the commission, obtains a degree from Duke University, and is recommended for and passes the prescribed physical examination.

DRAFT STATUS

Under the existing laws, students regularly enrolled in the Advanced N. R. O. T. C. course are not subject to the Selective Service and Training Act.

SPECIAL OPPORTUNITIES

Each year three members of the Unit may be selected by the President of the University to take the examinations for appointment to the United States Naval Academy. Twenty such appointments are available and students are in competition with those of other Universities where Naval Reserve Officers' Training Corps are located.

A limited number of graduates may be nominated for commissions in the Supply Corps of the United States Navy and in the United States Marine Corps Reserve.

Graduates, after one year at sea as Ensigns in the Naval Reserve, are eligible for commissions in the line of the regular Navy, provided they are recommended by their commanding officers and pass the prescribed physical and mental examinations.

The training provides an excellent background for those who may desire to secure employment in the Merchant Marine, and students who have successfully passed the course should find it comparatively easy to pass the examinations for papers as Third Mate.

APPLICATIONS

Students are required to make applications on regular forms which will be mailed on request. Applications are received at any time during the summer for the academic year beginning in September. No final acceptances are made, however, until after the student has reported in the fall, and the physical examinations and personal interview have been completed.

THE COLLEGE OF ENGINEERING

ADMISSION

Admission to the College of Engineering of Duke University is on a selective basis, dependent upon the ability, attainments, and character of the applicant. No student is admitted until the Council on Admissions has received for him a scholastic record from school or college, a certificate of vaccination and of good health, and satisfactory evidence of good character and ability. Prospective students and relatives are invited to visit the University and the College of Engineering in particular. This would be advantageous to the applicant since it would enable him to acquaint himself with the facilities of the University, and to discuss possible courses of study.

Certain days are announced in the University Calendar each year for the registration, classification, and sectioning of students. Those students who are admitted later than the dates announced must pay to the Treasurer \$5.00 additional for the privilege of matriculation.

An applicant for admission to the Freshman Class in engineering must have completed at least fifteen units of preparatory work, partly in required and partly in elective subjects. A unit represents a year of work in a subject in an accredited secondary school, provided the work done in that subject is approximately one fourth of the annual amount of work regularly required in the school.

The subjects in which this credit may be offered and the maximum amount of credit acceptable in each subject are given in the following table:

	UNITS		UNITS
English	4	Botany	1
Latin	4	Zoology	1
Greek	3	General Biology	1
German	3	Physical Geography	1
French	3	General Science	1
Spanish	3	Agriculture	2
Mathematics	4	Mechanical Drawing	2
History and Civics	4	Woodwork, Forging, and	
Physics	1	Machine Work	2
Chemistry	1	Household Economics	2
		Commercial Subjects	3

For a detailed explanation of the units in the table above, see the definitions as set forth by the Southern Association of Colleges and Secondary Schools and other regional associations.

ADMISSION BY CERTIFICATE

Applicants able to submit certificates of proficiency from accredited schools in subjects accepted for admission to the Freshman Class will be

admitted without examination. These certificates must be properly made out on the regular blanks furnished by the University, signed by the principal of the school from which the applicant comes, and presented before or at the opening of the academic year. The applicant must have completed the course of the school from which he comes.

At least nine and one-half of the fifteen units required for admission must come from the following:

Required Units

English	3 units
Foreign Language	2 units
*Science	1 unit
History	1 unit
**Algebra	1½ or 2 units
Plane Geometry	1 unit

Elective Units

In addition to the above required units, sufficient elective units must be offered to make a total of fifteen. It is recommended that these electives be chosen from the following list:

Algebra	½ unit
Solid Geometry	½ unit
Trigonometry	½ unit
†German or French or Latin or Spanish or Greek	1 to 4 units
History or Civics (not the required unit)	1 to 3 units
Physics or Chemistry or Biology (not the required unit)	1 to 3 units

ADMISSION BY EXAMINATION

Students who present fifteen units for admission from schools not accredited by the University, and students who present the proper units but whose grades are not acceptable, are required to validate their units by entrance examinations in English and in mathematics and such other tests as the University may prescribe, including the test required by the North Carolina College Conference.

Students who have not the required units in English or in mathematics but who are otherwise acceptable must, before admission, clear this deficiency by entrance examinations.

ADMISSION TO ADVANCED STANDING

Students may be admitted to advanced standing from other approved institutions under the following conditions: All applicants must have ful-

* Wherever possible physics or chemistry should be offered for this requirement.

** Examination required to validate offering.

† One elective unit in any of the above languages will be accepted for admission provided the language requirement has been satisfied without it. As many as four units will be accepted in any one of these languages.

filled the equivalent of the requirements for admission to the Freshman Class, must present official certificates of all work done in other institutions and have honorable dismissal from the institutions they previously attended.

Applicants for advanced standing should present, so far as possible, subjects corresponding to those required at Duke University. Students admitted to advanced standing may not during their first semester elect more than the minimum number of hours required of the class which they enter except by permission of the Dean. Further, in addition to other requirements, a minimum of one full year in residence at Duke University with the satisfactory completion of at least thirty semester hours of work approved for Seniors, with an average grade of "C," is required of all candidates for the Bachelor's degree.

Students who have transferred from other colleges must, in order to make their provisional classification final, pass during their first year of residence not less than the equivalent of four year courses with an average grade of "C" or higher.

The date for the registration and classification of students with advanced standing from other institutions is announced in the University Calendar. Students who are admitted later than this date are required to pay to the Treasurer \$5.00 additional for the privilege of matriculating.

FRESHMAN WEEK

The week immediately preceding the opening of College is set aside for the induction of Freshmen. During this period health examinations, psychological tests, and placements tests are given, on the basis of which Freshmen are sectioned in English and mathematics. The Freshmen are divided into groups for instruction in the use of the Library, in the regulations of the student body, and in all matters pertaining to the adjustment of the individual to a new environment. Attendance upon these exercises is required of all Freshmen.

SPECIAL STUDENTS

Students of mature age not fully prepared to enter the Freshman Class may be admitted as special students and allowed to enroll for such work as they are prepared to carry. Further, they are required to take fifteen hours of classwork a week.

FEES AND EXPENSES

Information as to fees and expenses and room accommodations applicable to the College of Engineering is given, along with similar information for Trinity College and the Woman's College, on pages 145-150.

REQUIREMENTS FOR THE DEGREE OF BACHELOR OF SCIENCE IN CIVIL, ELECTRICAL, OR MECHANICAL ENGINEERING

GENERAL STATEMENT

The studies for the degree of Bachelor of Science in Civil, Electrical, or Mechanical Engineering are designed for students who are preparing for civil, electrical, or mechanical engineering, as a profession, and lead to the following degrees: B.S. in C.E., B.S. in E.E., and B.S. in M.E.

Each of these degrees requires one hundred and thirty-eight semester-hours of work of which one hundred and twenty-two must be completed with an average grade of "C." Six semester-hours of electives must be taken in the Department of Economics or of Political Science. If a foreign language is elected, it must be taken two years unless a student has sufficient entrance credits to enable him to pursue a more advanced course.

Prospective students should note that immediately after the final examinations in May or June a three-weeks course in surveying is given under the direction of the Summer School. This course is required of all civil engineering students at the end of their Freshman year and is required of all other engineering students before graduation.

GROUPS OF STUDIES FOR THE DEGREE OF BACHELOR OF SCIENCE IN CIVIL, ELECTRICAL, OR MECHANICAL ENGINEERING

GROUP I

CIVIL ENGINEERING

Freshman Year

FIRST SEMESTER	S.H.	SECOND SEMESTER	S.H.
Mathematics 9	5	Mathematics 10	5
Chemistry 1	4	Chemistry 2	4
English 1	3	English 2	3
Physics 17	3	Physics 18	3
Drawing 1	2	Drawing 2	2
Physical Education		Physical Education	
	<hr/> 17		<hr/> 17

Three weeks of Surveying 10 in summer. Credit, 3 semester-hours.

Sophomore Year

Mathematics 59	4	Mathematics 60	4
Physics 57	3	Physics 58	3
Statics 7	3	Kinetics 8	2
Surveying 11	2	Materials 118	3
Highways 15	3	Highways 117	2
Economics 51	3	Economics 52	3
Physical Education		Physical Education	
	<hr/> 18		<hr/> 17

Junior Year

Strength of Materials 107	4	Hydraulics 108	4
Curves and Earthwork 113.....	2	Curves and Earthwork 114	2
Structures 131	4	Structures 132	4
Engineering Elective	3	Engineering Elective	3
Elective	3	Elective	3
	<hr/>		<hr/>
	16		16

Senior Year

Hydraulic Eng. 123	4	Hydraulic Eng. 124	4
Concrete 133	3	Concrete 134	3
Railroads 119	3	Railroads 120	2
Seminar 137	1	Seminar 138	1
Electives	6	Astronomy 112	2
	<hr/>	Electives	5
	17		<hr/>
			17

GROUP II

ELECTRICAL ENGINEERING

Freshman Year

FIRST SEMESTER		SECOND SEMESTER	
	S.H.		S.H.
Mathematics 9	5	Mathematics 10	5
Chemistry 1	4	Chemistry 2	4
English 1	3	English 2	3
Physics 17	3	Physics 18	3
Drawing 1	2	Drawing 2	2
Physical Education		Physical Education.....	
	<hr/>		<hr/>
	17		17

Three weeks of Surveying 10 in summer. Credit, 3 semester-hours.

Sophomore Year

Mathematics 59	4	Mathematics 60	4
Physics 57	3	Physics 58	3
Statics 7	3	Kinetics-Mechanism 82	4
Electrical Engineering 51	3	Electrical Engineering 52	3
Economics 51	3	Economics 52	3
Steam Engineering 85	2	Physical Education	
Physical Education			<hr/>
	<hr/>		17
	18		

Junior Year

Theory of D. C. Circuits 151.....	3	Theory of A. C. Circuits 152	3
Hydraulics 108	4	Strength of Materials 107.....	4
Electrical Circuits Lab. 161.....	1	Electrical Circuits Lab. 162	1
Heat Power Eng. 181	3	Heat Power Eng. 182	3
Differential Equations 131	3	Electrical Measurements 104.....	3
Mechanical Engineering		Mechanical Engineering	
Laboratory 199	1	Laboratory 200	1
	<hr/>		<hr/>
	15		15

Senior Year

A. C. Machinery 257	3	A. C. Machinery 258	3
Electric-Pow. Trans. 159	3	Electric-Pow. Stations 158	3
Communication 261	3	Communication 262	4
D. C. Machinery 155	2	Seminar 166	1
D. C. Machinery Lab. 163	1	Electives	6
Seminar 165	1		
Electives	6		
	<hr/>		<hr/>
	19		17

GROUP III

MECHANICAL ENGINEERING

Freshman Year

FIRST SEMESTER

S.H.

Mathematics 9	5
Chemistry 1	4
English 1	3
Physics 17	3
Drawing 1	2
Physical Education	
	<hr/>
	17

SECOND SEMESTER

S.H.

Mathematics 10	5
Chemistry 2	4
English 2	3
Physics 18	3
Drawing 2	2
Physical Education	
	<hr/>
	17

Three weeks of Surveying 10 in summer. Credit, 3 semester-hours.

Sophomore Year

Mathematics 59	4	Mathematics 60	4
Physics 57	3	Physics 58	3
Statics 7	3	Kinetics-Mechanism 82	4
Constructive Processes 79	3	Steam Engineering 86	3
Economics 51	3	Economics 52	3
Physical Education		Physical Education	
	<hr/>		<hr/>
	16		17

Junior Year

Hydraulics 185	3	Machine Design 170	3
Strength of Materials 107	4	Internal Comb. Engines 186	3
Electrical Engineering 153	3	Electrical Engineering 154	3
Thermodynamics 187	3	Thermodynamics 188	3
Mechanical Engineering		Mechanical Engineering	
Laboratory 189	1	Laboratory 190	2
Electives	3	Electives	3
	<hr/>		<hr/>
	17		17

Senior Year

Machine Design 171	3	Aeronautics 198	3
Power Plants 191	3	Industrial Engineering 192	3
Mech. Eng. Laboratory 193	2	Mech. Eng. Laboratory 194	2
Heating and Air Conditioning 195	3	Refrigeration 196	2
Seminar 173	1	Seminar 174	1
Electives	5	Electives	6
	<hr/>		<hr/>
	17		17

MECHANICAL ENGINEERING—AERONAUTICS OPTION

A new building is now in process of construction for the College of Engineering which will be used as an aeronautics laboratory. Starting with the academic year 1941-42 aeronautics courses will be offered for Juniors and Seniors. Prerequisites for this mechanical engineering option are the first two years of the curriculum as outlined in the *Engineering Bulletin*.

COURSES OF INSTRUCTION

THE COLLEGE OF ENGINEERING

NOTE: Courses primarily for Freshmen and Sophomores are numbered from 1 to 99; those primarily for Juniors and Seniors from 100 to 199; those primarily for Seniors and graduates from 200 to 299. The amount of credit for each course is given in semester hours following the description of the course.

Odd-numbered courses are offered in the fall semester and even-numbered courses are offered in the spring semester. Double numbers indicate that the course is a year course and must be continued throughout the year if credit is received.

This is a condensed description of courses. For a full description, see the *Bulletin of the College of Engineering*.

GENERAL ENGINEERING

PROFESSOR HALL, DEAN; PROFESSOR BIRD, CHAIRMAN CIVIL ENGINEERING; PROFESSOR SEELEY, CHAIRMAN ELECTRICAL ENGINEERING; PROFESSOR WILBUR, CHAIRMAN MECHANICAL ENGINEERING; ASSISTANT PROFESSORS CHAPMAN, LEWIS, MEIER, REED, AND WATSON; MESSRS. HOFFER, KRAYBILL, THEISS, VAIL, AND WILLIAMS

1-2. Engineering Drawing.—4 s.h.

5. Descriptive Geometry.—2 s.h.

7. Statics.—Prerequisites: courses 1 and 2, Mathematics 9 and 10. 3 s.h.
STAFF

8. Kinetics.—Prerequisites: course 7, and Mathematics 59. 2 s.h. STAFF

107. Strength of Materials.—Prerequisite: course 7. 4 s.h. STAFF

108. Hydraulics.—Prerequisite: course 7. 4 s.h.

CIVIL ENGINEERING

PROFESSORS BIRD AND HALL; ASSISTANT PROFESSOR WATSON;
MR. WILLIAMS

S10. Plane Surveying.—Prerequisites: course 1, and Trigonometry. 3 s.h.

11. Higher Surveying.—Prerequisite: course 10. 2 s.h. MR. WILLIAMS

S110. Plane Surveying.—Prerequisites: Engineering Drawing and Trigonometry. 3 s.h.

111. Higher Surveying.—Prerequisite: course 10 or 110. 3 s.h.

112. Field Astronomy.—Prerequisite: course 11. 2 s.h. PROFESSOR BIRD

113-114. Curves and Earthwork—Highways.—Prerequisite: course 10. 4 s.h.
ASSISTANT PROFESSOR WATSON

15. Highway Engineering.—3 s.h. PROFESSOR HALL

117. Highway Engineering.—Prerequisite: course 15. 2 s.h.
ASSISTANT PROFESSOR WATSON

118. Materials of Engineering.—2 or 3 s.h. MR. WILLIAMS
- 119-120. Railroad Engineering.—Prerequisite: course 113-114. 5 s.h.
ASSISTANT PROFESSOR WATSON
- 123-124. Hydraulic Engineering.—Prerequisite: course 108. 8 s.h.
PROFESSOR HALL
131. Steel Structures—Stresses.—Prerequisite: course 7. 4 s.h.
PROFESSOR BIRD
132. Steel Structures—Design.—Prerequisites: courses 107 and 131. 4 s.h.
PROFESSOR BIRD
133. Reinforced Concrete.—Prerequisite: course 107. 3 s.h.
PROFESSOR BIRD
134. Masonry Structures.—Prerequisites: courses 107 and 133. 3 s.h.
PROFESSOR BIRD
- 137-138. Seminar.—2 s.h. STAFF
- 143-144. Projects in Civil Engineering.—3-6 s.h. STAFF
- E.240. Indeterminate Structures.—Prerequisites: course 131 and ability to read French or German. 3 s.h.
PROFESSOR BIRD

ELECTRICAL ENGINEERING

PROFESSOR SEELEY; ASSISTANT PROFESSOR MEIER;
MESSRS. KRAYBILL AND VAIL

- 51-52. Survey of Electrical Engineering.—Prerequisites: Freshman mathematics and concurrent physics. 6 s.h. ASSISTANT PROFESSOR MEIER
151. Theory of Direct Current Circuits.—Prerequisites: course 51-52, Physics 57-58, Mathematics 59, 60. Mathematics 131 should be taken concurrently. 3 s.h. MR. VAIL
152. Theory of Alternating Current Circuits.—Prerequisites: course 151, Mathematics 131. 3 s.h. MR. VAIL
- 153-154. Principles of Electrical Engineering.—Prerequisite: Physics 57-58. 6 s.h. MESSRS. KRAYBILL AND VAIL
155. Direct Current Machinery.—Prerequisites: courses 151, 161-162. 2 s.h. ASSISTANT PROFESSOR MEIER
156. Electric Transportation.—Prerequisites: courses 151, 152, 161-162, or 153-154. 3 s.h. MR. KRAYBILL
158. Electric-Power Stations.—Prerequisites: courses 151, 152, and 187-188. 3 s.h. MR. VAIL
159. Electric-Power Transmission.—Prerequisites: courses 151, 152. 3 s.h. PROFESSOR SEELEY
- 161-162. Electrical Circuits Laboratory.—2 s.h. PROFESSOR SEELEY AND MR. VAIL
163. Direct Current Machinery Laboratory.—1 s.h. ASSISTANT PROFESSOR MEIER AND MR. KRAYBILL
- 165-166. Electrical Engineering Seminar.—2 s.h. STAFF

257-258. Alternating Current Machinery.—Prerequisites: courses 152, 155.
6 s.h. ASSISTANT PROFESSOR MEIER

261. Communication Engineering, Audio Frequency.—Prerequisites:
courses 151, 152, Mathematics 131. 3 s.h. PROFESSOR SEELEY

262. Communication Engineering, Radio Frequency.—Prerequisite: course
261. 4 s.h. PROFESSOR SEELEY

263-264. Mathematical Analysis of Electrical Circuits.—Prerequisites:
courses 151, 152 and Mathematics 131. 6 s.h. PROFESSOR SEELEY

E.265-266. Projects in Electrical Engineering.—3-6 s.h.
PROFESSOR SEELEY AND STAFF

MECHANICAL ENGINEERING

PROFESSOR WILBUR; ASSISTANT PROFESSORS CHAPMAN, LEWIS, AND REED;
MESSRS. HOFFER AND THEISS

79. Constructive Processes.—Prerequisite: Chemistry 2. 3 s.h.
ASSISTANT PROFESSOR CHAPMAN

82. Kinetics-Mechanism.—Prerequisites: G. E. 2, G. E. 7, Mathematics
59. Corequisite: Mathematics 60. 4 s.h.
ASSISTANT PROFESSORS CHAPMAN AND REED

85. Steam Engineering.—Prerequisite: Physics 18. 2 s.h.

86. Steam Engineering.—Prerequisite: Physics 18. 3 s.h.
ASSISTANT PROFESSOR CHAPMAN; MR. THEISS

170-171. Machine Design.—Prerequisites: G. E. 107, M. E. 79, M. E. 82.
6 s.h. ASSISTANT PROFESSORS CHAPMAN AND REED

173-174. Seminar.—2 s.h. STAFF

175-176. Projects in Mechanical Engineering.—3 s.h.
PROFESSOR WILBUR AND STAFF

181-182. Heat Power Engineering.—Prerequisites: M. E. 85, Mathematics
60. 6 s.h. ASSISTANT PROFESSOR REED

185. Hydraulics.—Prerequisite: course 82. 3 s.h.
PROFESSOR WILBUR AND ASSISTANT PROFESSOR CHAPMAN

186. Internal Combustion Engines.—Prerequisite: M. E. 187. 3 s.h.
PROFESSOR WILBUR

187-188. Engineering Thermodynamics.—Prerequisite: course 86 and
Mathematics 60. 6 s.h. PROFESSOR WILBUR AND MR. THEISS

189-190. Junior Mechanical Engineering Laboratory.—Prerequisites:
course 86 and course 187-188 concurrently. 3 s.h. MR. THEISS

191. Power Plant Calculations.—Prerequisites: M. E. 187-188 or 181-182.
3 s.h. PROFESSOR WILBUR

192. Industrial Engineering.—3 s.h. MR. THEISS

193-194. Senior Mechanical Engineering Laboratory.—Prerequisite: M. E.
190. Corequisites: M. E. 191, M. E. 195, M. E. 196. 4 s.h. MR. THEISS

195. Heating and Air Conditioning.—Prerequisites: M. E. 188 or M. E. 182. 3 s.h. ASSISTANT PROFESSOR REED

196. Refrigeration.—Prerequisites: M. E. 188 or M. E. 182, and M. E. 190 or M. E. 200. 2 s.h. ASSISTANT PROFESSOR REED

198. Aeronautics.—Prerequisites: courses 171 and 185. 3 s.h. ASSISTANT PROFESSOR CHAPMAN

199-200. Junior Mechanical Engineering Laboratory.—Prerequisite: M. E. 85. MR. THEISS

GENERAL REGULATIONS

TRINITY COLLEGE, WOMAN'S COLLEGE, AND COLLEGE OF ENGINEERING

The academic year is divided into two semesters. The first semester of the academic year 1941-42 begins September 17; the second, February 2. Commencement is held on Monday after the first Sunday in June. Commencement Day, 1942, is June 8.

TIME OF ENTRANCE

Patrons of the University and students who intend to enter the Freshman Class are reminded that the placement tests are held at the opening of the first semester in September and that this is the proper time to enter. If an applicant for admission cannot come early in the year, he should wait, except in very unusual cases, until the opening of the next semester. It is important that all students be present on the first day of the session, for those who are late incur the penalties described above in this catalogue under the topic "Admission to College" and below under the subtopic "Course Cards." Students who enter after the beginning of the semester are marked absent in the work they have missed in the courses to which they are admitted, and these absences are counted as other absences from class.

MATRICULATION, REGISTRATION, AND ENROLLMENT

All students must appear before the Committee on Admission and obtain cards for admission. Cards of admission must be presented at the Treasurer's Office at the time of matriculation. All students, both old and new, are required to matriculate at the beginning of each semester and to obtain from the Treasurer a certificate of matriculation which serves also as an enrollment card. Students matriculating in either semester at a date later than that prescribed in this catalogue shall pay to the Treasurer a penalty of \$5.00 for late registration. Students whose course cards have been approved in the spring in the manner provided below are given an opportunity during the summer to matriculate by mail for the first semester. No student without a matriculation card is admitted to any class.

COURSE CARDS

Members of the Freshman, Sophomore, and Junior classes are required to submit to the Dean, not later than the date of spring registration, cards showing their selection of courses for the following year. These cards must be approved by the Dean. After being approved, the cards must be filed for permanent record in the Dean's Office. Students in the Freshman, Sophomore, and Junior classes who do not select their courses

for the following year at the time appointed have to pay a fee of \$5.00 to the Treasurer of the University before their course cards may be approved in the fall. The same regulations apply for the second semester. Students whose course cards have been approved but who, for reasons not arising within the University, desire to make a change in the card approved have to pay to the Treasurer a fee of \$1.00 for each change made. No course may be elected later than two weeks after the opening of the semester.

If a student drops a course without permission from the Dean of the College, the grade for that course shall be recorded as "F."

If a student drops with permission a course in which he is failing at that time, the grade for that course shall be recorded as "F" unless, in the judgment of the Dean, circumstances do not justify this penalty.

EXAMINATIONS

Mid-year and final examinations are held in all subjects in January and May, respectively. The examination record combined with the record made in class constitutes the student's final grade.

REGULATIONS REGARDING GRADES

The following regulations have been adopted by the Faculty:

Grades shall be reported so as to indicate one of four things:

(1) *Passed.* A grade "A," "B," "C," or "D" shall indicate that a student has passed a course. The work of this group of students shall be graded according to the following system: "A": exceptional; "B": superior; "C": medium; "D": inferior.

(2) *Failed.* A grade of "F" shall indicate that the student has failed in the course and that in order to receive credit for the course he shall be obliged to take the work again in class.

(3) *Incomplete.* (a) A grade of "I" may be reported by the instructor if for any reason he is unable to report the final grade at the regular time. (b) All students (with incomplete grades) who have not satisfied the requirements of the departments concerned and who have not obtained a passing grade before the close of the semester following the date of the regular examination in which the "I" was incurred are regarded as having failed on the course concerned and must repeat the work in class in order to receive credit.

(4) *Absent from Final Examination.* (a) The grade "X" shall indicate that the student was absent from the final examination. (b) A student absent from examination and marked "X," if his absence has been excused by the Dean of the College, may receive an examination on the payment of a fee of \$3.00 to the Treasurer of the University. The department concerned shall arrange for the examination in cases where absences are incurred and excused and the grade reported in these cases shall be that earned by the student. (c) All students (with "X" grades) who have not satisfied the requirements of the department concerned and

who have not obtained a passing grade before the close of the semester following the date of the regular examination in which the "X" was incurred, are regarded as having failed on the course concerned and must repeat the work in class in order to receive credit. (d) If a student's absence from an examination is not excused by the Dean of the College, his grade for the course concerned shall be recorded as "F."

EXPLANATION OF QUALITY-POINT SYSTEM

The requirements for the degree are reckoned not only in semester-hours but also in quality-points. Quality-points are the points earned by a student according to his grades, for each semester-hour of credit. The grade "A" gives three quality-points for each semester-hour of credit; the grade "B" two quality-points; the grade "C" one quality-point. The grade "D" carries no credit in quality-points. For the grade "F" one quality-point is deducted for each semester-hour of failure. Credit for 122 quality-points, exclusive of those earned in physical education, is required for the degree of Bachelor of Arts or Bachelor of Science in all groups.

NUMBER OF HOURS OF CLASSWORK

No undergraduate student is allowed to take less than fourteen hours of classwork a week without special permission of the Dean.

No undergraduate student may take more than seventeen semester-hours of work in one semester, if he fails to make eighteen quality-points on the work of the preceding semester.

CLASS STANDING

For a student to rank as a Sophomore, he must have to his credit twenty-four semester-hours with an average grade of "C"; as a Junior, fifty-six semester-hours with an average grade of "C"; as a Senior, ninety semester-hours, with an average grade of "C."

SENIOR WORK

A student of the Senior Class irrespective of his average grade in preceding years, must, in order to be eligible for graduation, complete his work of the Senior year with an average grade of "C" or better.

EXCLUSION FOR FAILURE

A student of the Freshman Class entering college for the first time is not permitted to remain in the University in the second semester unless he passes as much as six semester-hours of the work of the first semester; any other student is not permitted to remain in the University in the second semester unless he passes as much as nine semester-hours of work in the first semester.

A student of the Freshman Class is not permitted to re-enter in September, nor to enter Summer School, if he did not pass at least six

semester-hours of work in the second semester of the previous year and a total of eighteen semester-hours of work for the entire year; any other student is not permitted to re-enter in September, nor to enter the Summer School, if he did not pass at least nine semester-hours of work in the second semester of the previous year and a total of eighteen semester-hours of work for the entire year.

STUDENTS TRANSFERRING FROM OTHER INSTITUTIONS

Students whose advanced credits from another institution are accepted by the University will be given an average grade of "C" on the semester-hours with which they are credited, provided their grades warrant it.

DEFICIENCIES IN COMPOSITION

The following regulations have been adopted by the Faculty:

1. Any Freshman who is found by the English Department to be unable to handle satisfactorily the work of composition in English 1-2 is required to take special work until he is able to do satisfactorily the regular work of English 1-2.

2. No student who has failed in English 1-2 or 53 is permitted to become a special student without continuing his work in composition until he has made up his deficiency in this work.

3. Whenever the work of a student in any subject is satisfactory to an instructor except for gross errors in English, the instructor concerned may hand in a provisional grade only. This grade may not be recorded in the college files until the student shall have improved his work in composition to the satisfaction of the English Department. A list of such provisional grades, along with evidence of deficiencies, shall be furnished the English Department each term by the officers in charge of the grades, and a report shall be made by this department when the deficiencies shall have been removed.

4. All instructors are requested to advise their students each semester concerning these regulations.

CANDIDATES FOR ACADEMIC DEGREES

1. A tentative list of all candidates for the Bachelor's degree shall be prepared under the supervision of the Dean of the College as early in the college year as possible, shall be read by him to the Faculty at its first regular meeting in October, shall be furnished in copy to each department of instruction for information and reference, and also shall be posted in copy on the official bulletin board of the University for the information of the students concerned.

2. Copies of a second such tentative list likewise shall be prepared, read, and distributed by April 15.

3. A final list of all candidates for the degree shall be read by the Dean to the Faculty at its first regular meeting in May and shall be adopted by the Faculty as the final list. After the adoption of this list no name may be added to it.

4. A student who completes in a Summer School the final requirements for graduation receives the appropriate diploma after the close of the summer term and is thereafter listed in the records of the University as a graduate of the year of the diploma. His name appears on the program of the following Commencement with note as to date of graduation.

THE DEAN'S LIST

Students of the Junior and Senior classes who, at the mid-year or final examinations, have attained in Duke University an average of "B" in their courses of the half-year just closed and who have not received a grade of "F" in any course may be placed on the Dean's List for the succeeding half-year. The privilege of the Dean's List is also extended to eligible members of the Sophomore Class during their second semester.

The name of a student may be withdrawn from the List at any time by the Dean, if the student fails to maintain a satisfactory standard of scholarship and conduct.

Students whose names are on the Dean's List will not be subject to the general regulations of the University governing class attendance. This privilege, however, may not be exercised in courses primarily open to Freshmen. Furthermore, such students are required to be present at the meeting of classes immediately before and after any holiday, unless they are excused by the Dean of the College.

If for any reason a student is removed from the Dean's List during, or at the close of, the second semester of his Junior year, his name may not be reinstated on the List.

CLASS ATTENDANCE AND ABSENCES

Regular and punctual attendance in classwork is required of all students not on the Dean's List.

ASSEMBLY AND CLASS MEETINGS

TRINITY COLLEGE AND COLLEGE OF ENGINEERING

There shall be held on the first Thursday of each month of the college year in Page Auditorium, from 12:30 P.M. to 12:50 P.M., an assembly of all Seniors, Juniors, Sophomores, and Advanced Freshmen of Trinity College, and at this period of the day separate meetings of these four groups on the second, third, and fourth Mondays, Wednesdays, or Thursdays of each month. There shall be a class meeting of the Freshman Class on each Saturday of every month at the time named above. The Engineering assemblies are held on the first Wednesday of each month from 12:30 P.M. to 12:50 P.M.

Attendance upon all of these meetings is compulsory for all students involved. Any student incurring in a semester a total of more than four absences from them automatically excludes himself from college.

WOMAN'S COLLEGE

A weekly assembly is held for all students in the Woman's College, and an additional assembly for all Freshmen and transfer Sophomores. A meeting of the Freshman Class is held each week and other classes meet at appointed times.

Attendance upon all of these meetings is compulsory for all students involved.

**SCHOLASTIC REGULATIONS FOR ATHLETIC AND
OTHER ORGANIZATIONS**

The following regulations have been adopted by the Faculty:

1. Any student who receives less than a passing grade on more than six hours of his required work of the preceding term shall be ineligible to represent the University in any athletic contest, concert, or other public event.

2. Members of athletic teams or other student groups engaging in public representation of the University are expected to be carrying satisfactorily their current work. A student may be barred from participation in such representation if, in the opinion of the Dean, he is not doing satisfactorily his current work.

Duke University is a member of the Southern (Athletic) Conference and observes the following scholastic requirement of that Conference:

"The scholastic requirement for eligibility to participate in varsity intercollegiate sports shall be the passing by the applicant of a minimum of twenty-four semester-hours or thirty-six quarter-hours of the work of his immediately preceding year in college; with the proviso that graduate students and students in the schools of law and medicine become scholastically eligible on the certificate of the deans of their schools."

THE ATHLETIC COUNCIL

The Board of Trustees, at its regular annual meeting in June, 1907, created an Athletic Council to be composed of eleven members appointed annually: three from the Faculty, to be appointed by the President of the University; four from the alumni, elected by the Alumni Association; and four from the undergraduates, one from each of the four classes, elected by the members of each class.

The three members of the Athletic Committee of the Faculty are the Faculty representatives in the Athletic Council. This committee alone has the responsibility of enforcing the scholastic and athletic requirements of the University for student participation in intercollegiate sports. The athletic eligibility rules are those of the Southern Conference; the scholarship requirements are printed elsewhere in this catalogue.

The Executive Committee of the Athletic Council is composed of the Chairman of the Faculty Committee on Athletics, and one other Faculty member and one alumni member of the Council. The Athletic Council on recommendations of its Executive Committee arranges athletic schedules, awards insignia of merit earned by members of athletic teams, and strives to promote among students of the University a proper and helpful athletic spirit; to encourage good fellowship in such sports both within the student body and toward student bodies of other educational institutions; through athletic sports to help cultivate a high sense of honor, earnest, unselfish effort, and manly conduct. The Executive Committee of the Council recommends to the President of the University persons to serve as Graduate Manager of Athletics and as coaches in the various sports. However, the election of such persons rests solely with the Trustees of the University or the Executive Committee of the University, on recommendation of the President of the University.

All funds arising from athletics are handled entirely by the Treasurer of the University. An audit of the receipts and disbursements of these funds is made annually by the official auditors of the University.

REGULATIONS REGARDING PUBLIC LECTURES AND OTHER PUBLIC OCCASIONS

All public lectures or addresses and other public events that are given under the auspices of the University or of any organization in any way connected with the University are under the supervision of the Faculty Council on Public Lectures. All dates and programs must be approved by this council except in instances where such occasions have been placed under the supervision of the Director of Public Relations.

HEALTH AND PHYSICAL EDUCATION

The program of Health and Physical Education in Duke University has four distinct phases, as follows:

1. Student Health.
2. Physical Instruction.
3. Intramural Sports.
4. Intercollegiate Athletics.

MEDICAL CARE

With the exceptions noted below, full medical and surgical care is furnished to all regularly matriculated students of the University, during both the college year and the summer quarter, at no additional cost to them beyond the medical fee of \$5.00 payable each semester or the medical fee charged each student of the summer quarter. This service is under the direction of the University Physician with the co-operation of the Staffs of the Infirmarys (one on each campus) and the University Hospital. It includes hospitalization (limited to thirty days), medical and surgical care, drugs, dressings, X-ray work, and ward, but not special,

nursing. A charge for board is made at the same rate as in the University dining halls, and student meal tickets for these halls are accepted in payment of this board. Refraction of eyes, treatment of teeth and of all chronic and pre-existing conditions, such as diseased tonsils, hernias, elective surgery, chronic skin conditions, endocrine disturbances, etc., or accidents or illnesses occurring during vacations or while off the campus, are not included in this service. The cost of any necessary braces and orthopaedic appliances, as well as of special nursing, must be borne by the student.

No illness is treated in dormitory or other rooms occupied by students. Students needing treatment for minor medical or surgical conditions have the attention of the Director at his two daily visits to the Infirmarys, which have day and night nurses on duty. Students developing serious conditions are promptly transferred from the Infirmarys to the University Hospital, where they come under the care of the Staff of the Hospital.

PHYSICAL EDUCATION AND INTERCOLLEGIATE SPORTS TRINITY COLLEGE AND THE COLLEGE OF ENGINEERING

The University requires all students to engage in some type of physical activity for two years or four full semesters. This work consists of participation in natural, practical, physical activity for at least three one-hour periods each week. A credit of six hours, with an average grade of "C," is required in physical education for graduation.

The intercollegiate athletic program is controlled entirely by the University and consists of the organization and training of representative Freshman and varsity teams in the following sports: football, basketball, baseball, track, cross country, swimming, lacrosse, wrestling, tennis, and golf.

WOMAN'S COLLEGE

The Physical Education Department aims to give all students an appreciation of the value of activity for general physical well-being, skill in one or more activities which can be enjoyed as recreation after college, a well-developed and well-coordinated body, and a knowledge of good posture and efficient handling of the body in everyday activities.

To this end, students are allowed to choose from a large number of activities including outdoor individual, dual, and team sports, several types of dancing, swimming, and gymnastics. All Freshmen are expected to take body mechanics in the winter, and each student must elect a rhythm, one team sport, and two individual or dual sports sometime during the three years of required physical education.

A medical and physical examination is required of each student upon entrance, and follow-up examinations are used as a basis for determining the type of physical exercise a student should take and any corrective measures needed. Special remedial and corrective classes as well as rest periods are provided for students who cannot engage in the usual sports and activities.

PUBLICATIONS COUNCIL

The student publications of the University are under the control of a council that was established in 1924 and reorganized by the Executive Committee of the University in 1935, and is constituted as follows: three (3) members from the University Staff appointed by the President of the University; two (2) members from the alumni appointed by the President of the University; six (6) men from the Junior and Senior classes, elected by the students in Trinity College; four (4) women from the Junior and Senior classes, elected by the students in the Woman's College; and three (3) editors and three (3) managers of student publications, ex officio members without any voting power. With the advice of the Council, the President of the University appoints each year for each publication an advisory committee of three (3) members from the Staff of the University.

No student publication can be started at the University without the approval of the Council.

RELIGIOUS EXERCISES

Chapel exercises are conducted on Tuesday and Friday throughout the academic year at 12:30 P.M. on the campus for men. Preaching services are held on Sunday at 11:00 A.M. in the University Chapel. Organ recitals are given on Sunday afternoons. In the summer carillon and organ recitals are given twice a week.

UNIVERSITY LECTURES

THE AVERA BIBLE LECTURES

The Avera Bible Fund was established in 1897 in honor of the late W. H. Avera by his wife, who donated \$2,500 for this purpose. The income from this amount is used to establish a lectureship and to provide a collection of books on Biblical Literature.

JOHN MCTYEIRE FLOWERS LECTURES

The John McTyeire Flowers Lectures, established by Mr. B. N. Duke as a memorial to John McTyeire Flowers, a young alumnus of Trinity College who died in the Far East in 1905, were inaugurated in 1921.

UNIVERSITY LECTURE SERIES

The University Series of Lectures is given each year. These lectures are under the supervision of the Committee on Public Lectures of the Faculty.

DUKE UNIVERSITY DAY

In commemoration of the signing by the late James B. Duke, on December 11, 1924, of the Indenture of Trust creating the Duke Endowment, under which Trinity College was expanded into Duke University, appropriate exercises are held on Duke University Day at the University. Various local alumni groups celebrate the anniversary in connection with their annual meetings, some of which are held on December 11 but most of them on other dates during the Fall.

ALUMNI ORGANIZATIONS

GENERAL ALUMNI ASSOCIATION

The Alumni Association of Duke University is composed of the male graduates and former students of Trinity College and Duke University. The Association gives its annual luncheon on Monday of Commencement Week at which a message of greeting is given by a representative of the class holding its twenty-fifth anniversary reunion. The annual business meeting of the Association is held at this time.

GENERAL ALUMNAE ASSOCIATION

The Alumnae Association of Duke University is composed of the women graduates and former students of Trinity College and Duke University. The Association joins with the Alumni Association in the annual luncheon on Monday of Commencement Week, holding its annual business meeting immediately afterward.

GENERAL ALUMNI COUNCIL

To give definite direction and supervision in the campaign for the erection of the Alumni Memorial Gymnasium, and for other purposes, an Alumni Council was provided for at the June, 1919, meeting of the Alumni Association. Since that time the Council has developed into a working body for the promotion of alumni interests by reason of its size and frequency of meetings. The membership is made up of representatives from local associations; class representatives, elected by reunion classes on the occasion of their fifth anniversary, or a multiple thereof; and officers of the Alumni Association.

GENERAL ALUMNAE COUNCIL

At the June, 1925, meeting of the Alumnae Association the Alumnae Council was organized to function in a manner similar to that of the Alumni Council, in the interest of the former women students and of the University. Its purpose and form of organization is very much the same as those of the Alumni Council.

THE ALUMNI OFFICE

The General Alumni Office was organized to promote the work of the local alumni and alumnae associations and to co-ordinate the various activities of the General Alumni and Alumnae Associations and the General Alumni and Alumnae Councils. Sixty-five county and local alumni associations have been formed in North Carolina and other states.

THE ALUMNI REGISTER OF DUKE UNIVERSITY

The Alumni Register of Duke University is a monthly magazine published by the Alumni Association in the interest of the alumni and the University. It aims to keep the alumni in touch with one another and with the University.

THE ALUMNI NEWS

The Duke University Alumni News is sent to all alumni four times during the year.

APPOINTMENTS OFFICE

With the co-operation of the Alumni Office, the University maintains an Appointments Office, in charge of a whole-time director, to serve graduates and advanced students of the institution on the one hand, and those who desire well-qualified persons for teaching and commercial positions on the other hand. The Appointments Office is divided into two sections: (1) the Division of Teacher Placement and (2) the Commercial Positions Division.

DUKE UNIVERSITY NEWS SERVICE

The Duke University News Service is the official publicity agency of the University for the purpose of sending out news to the press. It functions as a division of the Department of Public Relations and Alumni Affairs.

FEES AND EXPENSES

The following tables show the general fees and charges collected from all students and the special fees collected from those taking courses in the sciences and in history. All fees for each semester are due and payable, unless otherwise specified, at the time of registration at the beginning of that semester and no student is admitted to classes until arrangements have been made with the Treasurer of the University for the settlement of fees.

GENERAL FEES

Matriculation, per semester.....	\$ 25.00
Tuition, per semester.....	100.00
Room-rent—See the detailed statement that follows.	
Athletic Fee, admitting students to all athletic contests held on the University grounds, per semester.....	5.00
Recreation Facilities and Equipment Fee, per semester.....	1.00
Damage Fee, payable annually at the time of first registration.....	1.00
Medical Fee, per semester.....	5.00
Library Fee, per semester.....	5.00
Commencement Fee, payable annually at the beginning of the second semester	3.00
Publication Fee:	
First semester	2.50
Second semester	3.00
Diploma Fee, payable by candidates for degrees at the beginning of the second semester, refunded if the diploma is not awarded.....	5.00

LABORATORY AND MATERIALS FEES

Botany 1, 2, 52, 55, 101, 104, 202, 204, 221, 255, and 256.....	\$ 2.50
Botany 51, 103, 151, 156, 203, 216, and 252.....	5.00
Forest Botany 224 and 253.....	2.50
*Chemistry 1, 2, 61, 70, 131, 132, 153, 154, 215, 216, 261, and 262.....	7.00
Chemistry 151, 152, 241, 242, 253, and 254.....	8.50
Education 1, 58, 68, and 101.....	1.00
Education 112, 115, 116, 122, and 131.....	7.50
Education 208 (for testing materials in lieu of text).....	2.50
Engineering	
Civil S10 and S110—See <i>Summer School Bulletin</i> .	
Civil 11, 107, 111, 112, 113, 114, 117, 118, 119, 123, 124, 143, 144, and 240	2.00
Electrical 153, 154, 161, 162, 163, 258, 261, 262.....	2.00
Mechanical 86, 189, 190, 193, 194, 199, and 200.....	2.50
Forest Botany 224 and 253.....	2.50
Forestry 224, 253, 254, 259, 260, 264, 357a, and 358a.....	2.50
Forestry 261, 351, 352, 354, 357b, 358b.....	\$2.50 to 5.00
Geology 51, 52, 101, 151, and 152.....	2.50
Geology 102	5.00
Field trip in Geology 51-52 and 101-102 at cost.	

* When the laboratory in Chemistry 153-154 supplements that of another course and is taken simultaneously with such course no fee is charged with Chemistry 153-154.

History 91 and 92.....	3.00
No texts are required in these courses, but a fee of \$3.00 is charged, and books are placed in the Library for the use of those taking the courses. This fee is payable at the beginning of the semester and is collected through the office of the Treasurer of the University.	
Physical Education, per semester, for men.....	1.50
Physical Education, per semester, for women.....	1.00
Physics 1 and 2.....	2.00
Physics 57, 58, 61, 62, 103, 104, 108, 215, 216, 217, 218, and 219.....	3.00
Physics 51, 52, and 106.....	5.00
Zoology 1, 2, 92, 161, 204, 219, 220, 222, 274, 306, 324, 343, 353, and 354..	3.00
Zoology 53, 151, 156, 224, 229, 303, and 321.....	5.00

TEACHERS TAKING COLLEGE COURSES

Teachers in near-by schools, taking one or two courses, are required to pay a registration fee of \$5.00 each semester and a tuition fee of \$3.00 per semester-hour of credit in addition to any regular laboratory fee or other fees collected from those students taking the courses.

ESTIMATED EXPENSES FOR AN ACADEMIC YEAR

The necessary expenses of a student are moderate; the University dormitories provide thoroughly comfortable and wholesome living conditions at a minimum of cost, while all charges made by the University have been kept low. Incidental expenses depend naturally upon the tastes and habits of the individual, but the actual necessary college expenses for one year, including board, room-rent, and such University fees as tuition, matriculation, commencement, library, damage, and medical, vary from \$574.50 to \$639.50. Books and laundry are not included in these figures.

LIVING ACCOMMODATIONS FOR MEN

Single room, per semester—Craven, Crowell, and Kilgo Quadrangles, West Campus	\$75.00
Double room, per student, per semester—Craven, Crowell, and Kilgo Quadrangles, West Campus.....	62.50
Double room, per student, per semester—Southgate Hall, East Campus	50.00
Double room, per student, per semester—Epworth Hall, East Campus	30.00

There are three groups of resident houses designated as Craven, Crowell, and Kilgo Quadrangles on the West Campus. The rooms are single, double, or arranged in suites of two rooms for four students. There are thirty-one houses within the three groups designated by the letters of the alphabet.

There are also two dormitories on the East Campus used for men—Southgate and Epworth Halls. All these rooms are equipped for two persons. Students in the College of Engineering are expected to live in either Southgate or Epworth, which are located near the Engineering College. Room reservation fees and applications for room assignments should be addressed to the Director in Business Division, East Campus.

Kilgo Quadrangle (eight houses) has been set aside as a Freshman Dormitory. A portion of Southgate Hall has also been reserved for

Freshmen studying engineering. All Freshmen, except those living at home with their parents, are required to room in one of these dormitories.

Rooms are reserved only for applicants who have been officially accepted by the University, upon application to the Director in the Business Division, Duke Station, Durham, North Carolina. A reservation fee of \$25.00 between April 15 and May 15 at the office of the Director in the is deducted from the room charges at the time of registration for the fall semester. An applicant who is accepted and has a room reserved is not entitled to a refund of the reservation fee unless the request is made on or before August 1.

A resident student in order to retain his room for the succeeding year is requested to make application accompanied by a reservation fee of \$25.00 between April 15 and May 15 at the office of the Director in the Business Division. All rooms which have not been reserved on or before May 15 will be considered vacant for the succeeding year and will be reserved in the order in which applications are made.

Rooms are rented for no shorter period than one semester, or in the case of a medical student, one quarter, unless by special arrangement with the Director in the Business Division. A period of occupancy other than a semester or quarter and without special arrangement will be charged at a minimum rate of \$1.00 each day.

The exchange of rooms may be arranged for at the Housing Bureau within fifteen (15) days after the official opening of the semester or quarter of the school term. A charge of two dollars (\$2.00) will be made for the exchange of rooms after the periods allowed for such exchange. Persons exchanging rooms without the approval of the Housing Bureau will be subject to charges for both rooms.

The authorities of Duke University do not assume the responsibility of selecting and assigning roommates, though they will gladly render any assistance possible.

DORMITORY REGULATIONS

Duke University is particularly eager that its students shall have the best dormitory life to be found in any institution, and to encourage this has provided buildings and equipment which are not surpassed. The Institution asks and believes that in return each student will respond to this effort by arranging his personal belongings in an orderly manner, and by caring for the buildings and furniture as he would do in the home of a friend. The following regulations are offered as a guide and a reminder that care is desired.

1. The student will be held responsible for any damage to the room or furnishings during the rental period, and will pay for all damages caused by his neglect, misuse or abuse of any part of the University property. Inspections will be made throughout the college year to observe the condition of the rooms and to advise students concerning the care of rooms, if necessary.

2. Maids will prepare the rooms daily except Sunday, the service beginning promptly at 8:00 o'clock A.M. and ceasing at 1:00 o'clock P.M., thereby giving the student complete use of his room during the afternoon.

3. University furniture or furnishings must not be removed from the room in which they have been placed by the University.

4. Electric wiring, door locks, window screens, steam or water lines should not be changed or added, since the University supervises and makes such changes as are necessary and advisable.

5. Pictures, pennants, clippings should be hung from the picture moulding and not tacked or pasted on walls or woodwork.

6. Each student is expected to supply necessary sheets, blankets, pillows, rugs and curtains. Furniture, beds and mattresses (39" x 74"), tables, chairs, dressers, mirrors, and window shades are furnished by the University.

7. All trunks and heavy luggage will be stored in the trunk rooms. Janitors will remove the trunks from the hallways to the storage rooms when they are unpacked.

8. The exchange of rooms or keys should be arranged for at the office. Any exchanges made otherwise will subject the participant to charges for both rooms.

9. The use or possession of intoxicating liquors, wines or beer, and gambling in any manner in any of the buildings or on the grounds of Duke University are forbidden.

10. Animals shall not be kept in the dormitories.

11. Women are permitted in the dormitories only when accompanied by the University Hostess.

12. The use of dormitory rooms as a sales office or storeroom, or the solicitation for sales or gifts within the buildings or on the grounds is prohibited except by appointees of the University.

LIVING ACCOMMODATIONS FOR WOMEN

The Woman's College campus, known as the East Campus, is situated about a mile and a quarter from the West Campus, with a private road connecting the two.

Houses—The seven residence houses on the East Campus are Alspaugh, Aycock, Bassett, Joseph G. Brown, Giles, Jarvis, and Pegram. A plan of the houses will be sent upon request to the Director in the Business Division, College Station, Durham, North Carolina. Each house has a resident head of house and paging system for announcing visitors.

Rooms—All questions concerning rooms should be addressed to the Director in the Business Division. The students' rooms are single, double, or arranged in suites of two rooms for two students.

Room Furnishings—Rooms are supplied with all necessary furniture. Curtains, towels, sheets, pillow-slips, blankets, and heavy bed covering, etc., are furnished by the students. Sash curtains of a standard type are required and can be bought at the College Store. Draperies, small scatter rugs, and study lamps can be brought from home or bought at reasonable prices from the College Store or in the city. Large rugs and heavy overstuffed furniture may not be brought into the dormitories.

Room Rent—

Single room, per student, per semester, Giles, Alspaugh, Pegram, Bassett, Brown and Jarvis Houses.....	\$87.50
Double room, per student, per semester, Giles, Alspaugh, Pegram, Bassett, Brown and Jarvis Houses.....	62.50
Single room, per student, per semester, Aycock House.....	75.00
Double room, per student, per semester, Aycock House.....	50.00

Room Reservation—A room reservation fee of \$25.00 is required before any room reservation can be made for new or returning students. This fee is deducted from the room charges at the time of registration for the fall semester.

Applicants for admission are requested not to send the room reservation fee until notified of acceptance. Those who make application and are accepted will not be entitled to have the reservation fee refunded unless the request is made on or before July 15. Those who are accepted after July 15 have ten days in which to pay their room reservation fee. This fee is not refundable.

No room assignments will be made for new students until they have been officially accepted by the Council on Admissions. The room reservation fee of \$25.00 is payable immediately upon notification of acceptance by the Council on Admissions. If room reservation fee has not been received within ten days after notification of acceptance by the Council on Admissions, the admission will be cancelled.

Details relative to the signing of rooms by resident students will be posted on dormitory bulletin boards about April 15. Resident students have the right to retain their rooms for ensuing year or to sign for new ones in the order of their class beginning with the Seniors. The new students are then assigned the remaining rooms, and in so far as possible, the type of room which they prefer. The University is responsible for the fall semester only for securing roommates for new students desiring double rooms. After a student has been a resident for one semester, the responsibility for securing and keeping a roommate is transferred to the student. If a student occupying a double room does not have a roommate by the date posted, approximately two weeks after the beginning of the semester, she will be required to pay double rent. The University is glad to cooperate in assisting the student to find a roommate.

When a room is once engaged by a student no change will be permitted except with the consent of the Director in the Business Division. Leaving one room and occupying another without permission is strictly against the rule and will render the offender liable to a charge for both rooms for the entire semester. No occupant is permitted to rent or sublet a room to another occupant. Rooms are rented for no shorter period than one semester. When a student leaves school before the end of the semester, the charge is \$1.00 a day unless the total charge on this basis is in excess of the room rent for the semester. All undergraduates who are not residents of Durham are required to live in the dormitories unless they are living with their parents or near-relatives. An undergraduate women who is over twenty-one years of age and who wishes to live in the city may make special arrangements with the Dean. Provision is made for graduate students to live on the campus.

No visitors are permitted in any sections of the dormitories which are occupied by women except by permission of the office of the Head of the House. Merchandising, solicitation, or advertising of any type is strictly forbidden within the dormitories.

BOARDING ACCOMMODATIONS

Trinity College, West Campus.—Beginning with the academic year 1930-31 the University opened its dining hall in the Union on the West Campus with accommodations sufficient to provide in a superior way for all resident men students. Charges for board will not exceed \$25.00 per month.

The Union is the logical center of student activities for men, and it will be found desirable for male students to board in its supervised halls. In the Union are located the University Post Office, the University Store, the University Barbershop, and all publication staff offices.

In addition to the Union dining halls, the Coffee Shop is operated for the convenience of students and visitors.

Woman's College, East Campus.—The dining halls of the Woman's College are situated in the Union, the student center, on the East Campus. No resident woman is permitted to board elsewhere than at this Union. Board is \$112.50 per semester.

Because of the large number of those served in the Union dining halls, it is not possible to arrange special diets for individual students. Special diet for the sick is served in the Infirmary.

The Union includes a Faculty dining room, a lounge, and other rooms for various student activities.

LAWS REGARDING PAYMENTS

The Executive Committee of Duke University has enacted the following regulations which govern the payment of all fees due the University:

1. The President and the Treasurer of the University have no authority to suspend or in any way alter these regulations.
2. Matriculation and tuition fees are never refunded.
3. Any student who has failed to pay his bills on the dates advertised in the catalogue is denied the right to attend classes until his account is settled in full.
4. No student is considered by the Faculty as an applicant for graduation until he has settled with the Treasurer for all of his indebtedness to the University.
5. No student who has not settled all his bills with the Treasurer of the University is allowed to stand the mid-year or final examinations of the academic year.

When a student wishes his bills sent to his parents or guardian, the student or his parent or guardian must so notify the Treasurer of the University in writing in due time, but this in no way releases the student from liability to established penalties, if his bills are not paid on the dates advertised.

TRANSCRIPTS

Students desiring to transfer from Duke University to another institution are entitled to one transcript of their record. A charge of \$1.00 is made for each additional copy.

SCHOLARSHIPS, LOANS, AND EMPLOYMENT AID

Duke University annually awards available scholarships, administers loan funds, and supervises student employment through a committee of the Faculty to deserving students of Trinity College, the Woman's College and the College of Engineering.

SCHOLARSHIPS

Scholarships intended to aid needy and deserving students have been established from time to time by persons deeply interested both in Duke University and in the members of its student body. Such scholarships are supported by the income from invested funds. All scholarship endowments are held in trust and are kept separate and distinct from other holdings of the University. All income is faithfully applied in accordance with the terms of the gift or bequest.

In addition, a limited number of scholarships, notably the honorary awards in recognition of scholastic merit and strength of character, are financed through current funds of the University.

Scholarships are awarded annually by a committee of the Faculty appointed by the President of the University. In some cases donors have specified certain limitations and conditions. These are faithfully followed, but in all cases final award is made by the faculty committee.

As a general rule, scholarships cover tuition charges only, though in some instances provision has been made for larger amounts. Any student enrolled in the University or any prospective student may apply for a scholarship. No application, however, may be made formally by a prospective student until application for admission has been made, all necessary credentials presented, and notification of acceptance given. The number of scholarships available is small in comparison with the number of undergraduate students enrolled in the University, and as a result the committee in making the awards attempts in so far as possible to limit scholarship aid to cases where the need is imperative. Before applying for such aid, a student should first have exhausted all means of aid from parents, kinsfolk, interested friends and commercial or civic agencies in his home locality.

A list of scholarships and loans, and the procedure and terms of making application, are set forth below. The value of the scholarships is based on the annual income from the invested principal.

ALUMNAE SCHOLARSHIP (1939). Based on contributions of individuals and groups of alumnae during the Centennial. *Invested principal, \$1,900.*

BANKS-BRADSHAW SCHOLARSHIP (1913). Established by Mr. W. L. Banks of Wilson and the Reverend Mike Bradshaw, '78. *Invested principal, \$1,300.*

HERBERT J. BASS, JR., SCHOLARSHIP (1900). Established by Mr. and Mrs. Herbert J. Bass in memory of their son, Herbert J. Bass, Jr. *Invested principal, \$1,000.*

MAYE BOWLING BENNETT SCHOLARSHIPS (1928). Established by Edgar S. Bowling, '99, as a memorial to his sister, Maye Bowling Bennett, '12. Several scholarships are provided by income from an invested principal of \$25,000. Preference is to be given students from Durham and adjoining counties and the donor or a representative of his family is to be consulted in making awards.

CENTENNIAL SCHOLARSHIPS: In connection with the Centennial Celebration in 1938-39 a number of scholarships were provided by gifts from alumni and friends of the University. Funds for this purpose are still accumulating gradually. Among others, scholarships are being set up by the alumni of Atlanta, High Point, Thomasville and the classes of 1906, 1912, and 1918.

CHRISTIAN EDUCATION SCHOLARSHIPS (1921). Established as a part of the Christian Education Movement by donations from several invested funds of the University. *Invested principal, \$6,000.*

CLASS OF 1914 (1939). Based on annual earnings from a fund now approximating \$2,100. Preference, sons, daughters or descendants of the members of the class.

E. M. COLE SCHOLARSHIPS (1920). Awards limited to undergraduate ministerial students. *Invested principal, \$10,000.*

W. L. CUNNINGGIM SCHOLARSHIPS (1934). Established by Mrs. W. L. Cunninggim and Mrs. Alberta Bourne in memory of the Reverend W. L. Cunninggim, '77. Preference is given to students entering Duke University from the Methodist Orphanage, Raleigh, N. C. *Invested principal, \$7,500.*

JERE R. DOWNING SCHOLARSHIP (1936). Established by gift of Mrs. J. R. Downing and Dr. J. Robert Downing, A.B. '35, M.D. '39, as a memorial to their husband and father. *Invested principal, \$1,000.*

BENJAMIN N. DUKE SCHOLARSHIPS (1936). Established by bequest of Mrs. Sarah P. Duke in memory of her husband, Benjamin N. Duke. Income from investments available annually is approximately \$9,000.

N. EDWARD EDGERTON SCHOLARSHIP (1939). Established by gift of N. Edward Edgerton, '21. Limited to students in the Divinity School. *Invested principal, \$5,000.*

ARTHUR ELLIS FLOWERS SCHOLARSHIP (1901). Established by gift from Colonel and Mrs. George W. Flowers in memory of their son, Arthur Ellis Flowers. *Invested principal, \$1,000.*

GEORGE W. FLOWERS SCHOLARSHIP (1927). Established by gift of Claude M. Flowers, '09, as a memorial to his father, Col. George W. Flowers. *Invested principal, \$5,000.*

ROBERT L. FLOWERS SCHOLARSHIP (1939). Established by gift of Dr. and Mrs. R. L. Flowers. *Invested principal, \$1,000.*

P. HUBER HANES AND P. HUBER HANES, JR., SCHOLARSHIPS (1937). Four general scholarships, two others restricted to students majoring in Business Administration, and one restricted to Divinity students, \$40,000, this being part of a \$50,000 Centennial contribution by P. Huber Hanes, '00.

HARGITT FELLOWSHIP IN ZOOLOGY (1939). Established under the terms of a bequest of Charles W. Hargitt, and supported by the income from invested funds valued at \$41,000.

B. D. HEATH SCHOLARSHIP (1903). Established by gift of B. D. Heath. Preference is given to students from Union County, N. C. *Invested principal, \$2,400.*

H. H. JORDAN MEMORIAL SCHOLARSHIP (1938). Established by his sons and daughters in memory of their father, the Reverend H. H. Jordan. *Invested principal, \$2,500.*

J. M. JUDD SCHOLARSHIP (1925). By gift. *Invested principal, \$1,000.*

GURNEY HARRISS KEARNS FELLOWSHIP IN RELIGION (1935). "Graduate Fellowship in the field of American religious thought and practice." By gift of G. H. Kearns, '97. *Invested principal, \$20,000.*

FRANK S. LAMBETH SCHOLARSHIP (1930). At the request of his widow and children, a bequest by Frank S. Lambeth, '80, was set up as a scholarship fund in his memory. *Invested principal, \$1,000.*

McALISTER SCHOLARSHIPS (1935). Established by Mrs. Amelie McAlister Upshur, in memory of her mother, Armantine Reynaud McAlister, and her father, William Henry McAlister. The scholarships provided by this fund are granted to men and women who are residents of the states of North Carolina, South Carolina, and Louisiana.

O. G. B. McMULLAN SCHOLARSHIPS (1912). By gift. *Invested principal, \$1,300.*

W. H. MOORE SCHOLARSHIP (1920). Established by his wife and daughters in memory of Dr. W. H. Moore, '71. *Invested principal, \$1,200.*

J. A. ODELL SCHOLARSHIP (1897). By gift. *Invested principal, \$1,300.*

J. M. ODELL SCHOLARSHIP (1897). By gift. *Invested principal, \$1,300.*

WILLIAM R. ODELL (1940). Established by members of his family and friends in memory of William R. Odell, 1855-1938, class of 1875; for fifty years a trustee of Trinity College and Duke University.

JOHN T. RING SCHOLARSHIP (1919). Established by S. G. Ring and family in memory of John T. Ring, '16, who was killed in France while in the service of his country. *Invested principal, \$1,200.*

J. RAYMOND SMITH SCHOLARSHIP (1939). By gift. *Invested principal, \$5,000.*

GEORGE W. WATTS SCHOLARSHIP (1897). By gift. *Invested principal, \$1,300.*

C. E. WEATHERBY SCHOLARSHIP (1912). By gift. *Invested principal, \$1,300.*

In 1927 a friend of Duke University established a fund which now provides annually approximately fifteen scholarships for students preferably from Durham and Perquimans counties of North Carolina. Descendants of the donor, irrespective of their place of residence, are to be given consideration and a representative of his family consulted in the making of awards. These scholarships have no fixed value. Circumstances in all cases determine the amount of individual awards. Usually, however, they are sufficient in amount to cover tuition charges.

THE ANGIER B. DUKE MEMORIAL, INCORPORATED, awards through the Scholarship Committee of Duke University four scholarships with an annual value of \$250 each to undergraduate students. These scholarships are awarded as follows: one on the basis of merit and necessity to an accredited high or preparatory school graduate entering the Freshman Class of Duke University; and one each to a member of the Sophomore, Junior, and Senior classes on the basis of merit, necessity and worthy individual contributions to university life. This fund is primarily for student loan purposes and is more fully described hereafter under "Loan Funds."

Fifteen honorary scholarships paying tuition are annually awarded to undergraduates. Five are held by members of the Sophomore Class, five by members of the Junior Class, and five by members of the Senior Class. Sophomore scholarships are awarded on the basis of scholastic work of the Freshman year; Junior scholarships on the basis of the scholastic work of the Sophomore year and Senior scholarships on the basis of the scholastic work of the Junior year. Scholastic attainments and character are the sole bases of these awards.

Application for scholarship aid should be made to the Scholarship Committee, Secretary's Office, Duke University Station.

LOAN FUNDS

THE ANGIER B. DUKE MEMORIAL, INCORPORATED, administers through an advisory committee of the officers of the University, a loan fund for students of the University. Only the earnings of this fund are available for loan purposes.

The Committee of University officers also administers other endowed loan funds established for the benefit of students of Duke University. The amount available each year depends on the annual earnings and on the amount of loans repaid.

Although the total amount of loan aid is considerable, the calls for assistance far exceed the amount available for lending purposes each year. The Committee in charge of these funds, therefore, reserves the right to select from the applicants those who in character, personality, general promise, scholastic merit, and degree of financial need, are most deserving of consideration.

The loan funds are administered in accordance with the following regulations:

1. No loan shall be made to a student who violates any of the regulations of the University or whose class work is not satisfactory to the Faculty.

2. As a general policy a student is not potentially eligible for loan assistance until he has been in residence at least one semester and until those responsible for the administration of loan funds have had an opportunity to acquaint themselves with the worthiness and the need involved in any particular case.

3. Loans will be made only to students who are taking approved courses of study that lead to a degree, and all loans must be arranged for not later than one week after the beginning of a semester.

4. Every applicant for a loan must present with the application such security as the President of the University may approve, and no money shall be advanced before a note with approved security is in the hands of the Treasurer of the University.

5. No loan will be made to defray any other expenses than those incurred during the academic year for tuition, for matriculation, or for room-rent.

6. Interest at a rate of 6 per cent annually shall be charged for all loans of money, and the interest must be paid annually.

7. Applications for loans should be made to the Loan Committee, Secretary's Office, Duke University Station. A formal application for loan assistance may be made only on blanks furnished by the Secretary's Office at the time of registration. The granting or withholding of a loan is a matter entirely within the discretion of the Loan Committee. A student is expected to use all other possible means of securing financial assistance before applying for aid from the Loan Fund.

EMPLOYMENT

A number of students each year secure part-time employment on the University campus and in the city. Those in need of such employment may apply to the Secretary of the Committee on Student Aid, Secretary's Office, Duke University. No definite number of such places can be promised. Available places will be assigned in accordance with the merit and the need of the applicants.

HONORS AND PRIZES

To be eligible for Honors a student must earn during the year a credit of not less than thirty semester-hours. Students in the Freshman, Sophomore, and Junior classes who earn an average of at least two and one-half quality-points per semester-hour are given Honors. All semester-hours on which a student receives a grade are counted in the determination of Honors.

The degree of Bachelor of Arts or of Bachelor of Science with distinction is conferred under the following rules:

Students who have completed a minimum of ninety semester-hours in Duke University are eligible for general Honors at graduation. Those who earn an average of at least two and one-half quality-points per semester-hour are recommended for a degree *magna cum laude*. Those who earn an average of at least two and three-fourths quality-points per semester-hour are recommended for a degree *summa cum laude*. All semester-hours taken in Duke University on which a student receives a grade are counted in the determination of Honors.

MEDALS AND PRIZES

The Wiley Gray Medal was established by the late Robert T. Gray, Esq., of Raleigh, North Carolina, to be awarded annually in memory of his brother. It is given for the graduating oration that shall be, in the opinion of a committee, the best, with respect to both declamation and composition.

The Debate Council authorizes the awarding of medals to members of the graduating class who have represented the University in at least two intercollegiate debates. The medals are given by the local chapter of the Tau Kappa Alpha Fraternity.

The Southern History Prize is awarded each year for the best essay dealing with a subject relating to Southern history. The prize is \$25 in cash donated by an anonymous friend of the University. The competition for the prize is conducted according to the regulations adopted by the Trinity College Historical Society.

The Robert E. Lee Prize is the gift of the Reverend A. W. Plyler, of the Class of 1892, and Mrs. Plyler. The sum of \$50 is awarded annually at Commencement, preferably to that member of the Senior Class who in character and conduct, in scholarship and athletic achievement, in manly virtues and the capacity for leadership, has most nearly realized the standard of the ideal student. The Dean of the College, the Graduate Manager of Athletics, and the President of the Student Council constitute a committee to draft and adopt regulations governing the award.

The Dr. R. C. Parker Physics Prize. Dr. R. C. Parker gave to Duke University a silver cup of Chinese manufacture to be used for the encouragement of scholarship in physics. The award is made annually by a committee from the Department of Physics, acting with the President

of the University, to that student of Physics 1-2 who by the end of the academic year is judged to have shown the greatest promise as a student of physics. The winner is chosen not only for his mathematical grades but also for his industry, growth in power of reasoning, originality of point of view, and skill in experimentation. The name of the winner is engraved on the cup which is given into his possession, subject to certain necessary regulations, until the next award is made.

The Iota Gamma Pi Scientific Prize. The Iota Gamma Pi Science Fraternity offers an annual prize of \$25 to a member of the Junior Class, majoring in science, who is judged to be the leading student in the scientific courses of the University. The fraternity submits to the judges a list of students eligible for the prize. The committee of award is composed of the Dean of the University and one member each from the Departments of Geology, Botany, Zoology, Chemistry, Physics, and Engineering. The departments concerned choose their own representatives on this committee. The award is made on the following basis: quality of scientific work, 50 points; personality and general ability, 30 points; quality of work in departments other than scientific, 20 points. The president of the fraternity publicly awards the prize in chapel during the second week in May.

Alpha Kappa Psi Medallion. This prize is offered each year to the member of the graduating class who makes the highest record in economics and business administration during his career at the University.

The Willis Smith Prize. Mr. Willis Smith, a member of the Raleigh Bar and Chairman of the Law School Committee of the Board of Trustees of Duke University, awards each year to that member of the graduating class of the Law School who has maintained the highest scholastic average during the entire three years of Law School work, a prize consisting of a set of books selected personally by Mr. Smith each year for that purpose.

Julia Dale Prize in Mathematics. This is a prize of books given annually to the undergraduate who shows the greatest proficiency in the study of the calculus.

The Milmow Prize, consisting of one year's subscription to the *Electrical World*, is awarded each year to that student from North or South Carolina graduating in the Department of Electrical Engineering, who, in the opinion of the Faculty of that department and as shown by his grades, has made the most progress in electrical engineering during his last year in college.

The Pegram Chemistry Club Prize will be awarded in the spring of each year for scholarship in chemistry, physics, and mathematics. The prize is to consist of one year junior membership in the American Chemical Society, and a one-year subscription to either the *Journal of the American Chemical Society*, or to *Industrial and Engineering Chemistry*. To qualify for this prize the student must (1) be enrolled as an undergraduate of Duke University, (2) be taking or have taken a fourth year chemistry course. The winner of this prize is to be selected by a committee consisting of at least one Faculty member and at least two members

of the Pegram Chemistry Club; the selection is to be based on the quality-point average for all courses taken in chemistry, physics, and mathematics. In case of a tie equal awards will be given.

The Sigma Xi Prize. The Society of the Sigma Xi, honorary scientific society, is devoted to the encouragement of scientific research, and seeks to stimulate those who show promise of accomplishment in scientific research. As an encouragement to younger men and women the Duke Chapter of Sigma Xi has established the following prizes to be awarded annually to students resident at Duke University: \$20.00 for an undergraduate project or paper, \$20.00 for a Master's thesis or its equivalent, and \$40.00 for a Ph.D. dissertation or its equivalent. Nominations, recommendations, copies of theses, reports or other material must be in the hands of the Secretary of the Chapter on or before May 5.

STUDENT ORGANIZATIONS AND ACTIVITIES

The Men's Association of Duke University comprises all men students in Trinity College. It functions through its officers and a council to initiate policies and to oversee matters within the control of the student body. The council is composed of nine members: three executive officers, two representatives from the Senior Class, two from the Junior Class, one from the Sophomore Class, and one from Southgate Dormitory.

The Women's Student Government Association is similar in character to the men's association. Its council is composed of the officers of the association and ex officio of the Y.W.C.A. president and an undergraduate representative.

The Young Men's Christian Association and the *Young Women's Christian Association* are branches of the national student Christian Associations. Each body aims to enrich not only the religious life of its members as individuals but also to promote religious group activity. Delegates are sent each year to summer conferences, state conventions, interstate conventions, and the state Bible and missionary institutes. Every year a series of special religious services is held. The Open Forum Bible Class is conducted under the auspices of the Church Board.

Other organizations and activities include the following:

Bench and Bar Association (Pre-Legal Undergraduates); Classical Club; Debate Council (Men); Debating Club (Women); Duke Flying Club; Duke University Church (Interdenominational); Duke University Pre-Medical Society (Undergraduate Medical Group); Hesperian Union; Isotes (Independent Social Group—Women); Ministerial Fellowship; Nereidian Club (Women); Poetry Club; Polity Club; Quadrangle Pictures; Student Forum Committee (Women); Student Religious Council; The Duke Players; The Explorers' Club; Town Boys' Club; Town Girls' Club; Undergraduate Writers; Women's Athletic Association; and W. H. Pegram Chemistry Club.

HONORARY ORDERS AND FRATERNITIES (NATIONAL)

Alpha Kappa Psi (Economics); Chi Delta Phi (Literary—Women); Delta Phi Alpha (German); Kappa Delta Pi (Education); Omicron Chi Epsilon (Ministerial); Omicron Delta Kappa (Leadership—Men); Phi Beta Kappa (Scholarship); Phi Eta Sigma (Freshman Scholarship—Men); Pi Mu Epsilon (Mathematics); Sigma Delta Pi (Spanish); Sigma Pi Sigma (Physics); Sigma Xi (Scientific Society); Tau Kappa Alpha (Forensic); Tau Psi Omega (French); Theta Alpha Phi (Dramatic).

HONORARY ORDERS AND FRATERNITIES (LOCAL)

Beta Omega Sigma (Sophomore—Men); Delta Phi Rho Alpha (Athletic—Women); 9019 (Scholarship—Men); Iota Gamma Pi (Scientific); Ivy (Freshman Scholarship—Women); Red Friars (Leadership—Men); Sandals (Sophomore—Women); Tombs (Athletic—Men); White Duchy (Leadership—Women).

ENGINEERING ORGANIZATIONS AND FRATERNITIES

American Institute of Electrical Engineering; American Society of Civil Engineering; American Society of Mechanical Engineers; Delta Epsilon Sigma (Honorary Engineering Fraternity); Engineers' Club and Council; Engineering Town Boys' Club.

MUSICAL ORGANIZATIONS AND FRATERNITIES

Kappa Kappa Psi (National Band Fraternity); The Duke University Instrumental Music Association, comprised of members from Duke University Band, Duke University Orchestra, and chamber music groups; The Men's Glee Club; The Women's Glee Club; The University Chapel Choir; The Woman's College Orchestra; The Woman's Music Study Club.

SOCIAL FRATERNITIES (NATIONAL)**(The Men's Panhellenic Council)**

Alpha Tau Omega; Beta Theta Pi; Chi Phi; Delta Sigma Phi; Delta Tau Delta; Kappa Alpha; Kappa Sigma; Lambda Chi Alpha; Phi Delta Theta; Phi Kappa Psi; Phi Kappa Sigma; Pi Kappa Alpha; Pi Kappa Phi; Sigma Alpha Epsilon; Sigma Chi; Sigma Nu; Sigma Phi Epsilon; Zeta Beta Tau.

SOCIAL SORORITIES (NATIONAL)**(The Women's Panhellenic Council)**

Alpha Delta Pi; Alpha Phi; Alpha Epsilon Phi; Delta Delta Delta; Delta Gamma; Kappa Alpha Theta; Kappa Delta; Kappa Kappa Gamma; Phi Mu; Pi Beta Phi; Sigma Kappa; Zeta Tau Alpha.

STUDENT PUBLICATIONS**(Publications Council)**

Archive (Monthly); *Chanticleer* (Annual); *Chronicle* (Semiweekly); *Duke 'n' Duchess* (Monthly Humor).

THE GRADUATE SCHOOL
OF ARTS AND SCIENCES

1940-1941
ANNOUNCEMENTS FOR 1941-1942

CALENDAR

1941

- June 10. Tuesday, 9:00 A.M.—Registration of students for Summer School, first term.
- June 11. Wednesday, 2:00 P.M.—Instruction begins for Summer School, first term.
- July 4. Friday—Independence Day: a holiday.
- July 19-21. Saturday, Monday—Final examination for Summer School, first term.
- July 22. Tuesday, 9:00 A.M.—Registration of students for Summer School, second term.
- July 23. Wednesday, 2:00 P.M.—Instruction begins for Summer School, second term.
- Aug. 29-30. Friday, Saturday—Final examinations for Summer School, second term.
- Sept. 17. Wednesday, 11:00 A.M.—Formal opening of the College; registration of matriculated students.
- Sept. 18. Thursday—Instruction for Sophomores, Juniors, and Seniors begins.
- Sept. 18-20. Thursday, Friday, and Saturday, 9:15 A.M.-12:45 P.M.; Thursday and Friday, 2:30 P.M.-4:30 P.M.—Registration of graduate students.
- Oct. 15. Wednesday—Last day for submitting thesis subjects for the degree of Doctor of Philosophy.
- Nov. 3-8. French examinations for candidates for graduate degrees. Candidates register in the Graduate Office for these examinations before October 28.
- Nov. 10-15. German examinations for candidates for graduate degrees. Candidates register in the Graduate Office for these examinations before November 4.
- Nov. 15. Saturday—Last day for submitting thesis subjects for the degrees of Master of Arts and Master of Education.
- Nov. 20. Thursday—Thanksgiving Day: a holiday.
- Dec. 11. Thursday—Duke University Day.
- Dec. 20. Saturday, 1:00 P.M.—Christmas recess begins.

1942

- Jan. 5. Monday, 8:00 A.M.—Instruction is resumed.
- Jan. 12-16. Reading period.
- Jan. 17. Saturday—Mid-year examinations begin.
- Jan. 29-31. Thursday, Friday, and Saturday, 9:15 A.M.-12:45 P.M. Thursday and Friday, 2:30 P.M.-4:30 P.M.—Registration for second semester.
- Feb. 2. Monday—Second semester begins.

- March 2. Monday—Last day for applying for University fellowships, graduate assistantships, and graduate scholarships.
- March 2-7. French examinations for candidates for graduate degrees. Candidates register in the Graduate Office for these examinations before February 25.
- March 9-14. German examinations for candidates for graduate degrees. Candidates register in the Graduate Office for these examinations before March 2.
- March 21. Saturday, 1:00 P.M.—Spring vacation begins.
- March 30. Monday, 8:00 A.M.—Instruction is resumed.
- April 10. Students who expect to receive an advanced degree in June should notify the Graduate School Office to that effect.
- May 1-15. Reading period.
- May 1. Friday—Last day for submitting theses for degree of Doctor of Philosophy.
- May 15. Friday—Last day for submitting theses for degrees of Master of Arts and Master of Education.
- May 22. Friday—Final examinations begin.
- June 6. Saturday—Commencement opens: Senior Class Day; meeting of the Board of Trustees.
- June 7. Sunday—President's Address to Graduating Class; Commencement Sermon.
- June 8. Monday—Commencement Address; Alumni-Alumnae Luncheon; Graduating Exercises; Lowering of the Flag by the Graduating Class.

OFFICERS OF ADMINISTRATION

*WILLIAM PRESTON FEW, A.B., A.M., Ph.D., Litt.D., Ed.D., L.H.D., LL.D.
President

**ROBERT LEE FLOWERS, A.M., LL.D.
President

WILLIAM HANE WANNAMAKER, A.B., A.M., Litt.D.
Vice-President and Dean of the University

HENRY RUDOLPH DWIRE, A.B., A.M.
Vice-President and Director of Public Relations and Alumni Affairs

CALVIN BRYCE HOOVER, A.B., Ph.D., Litt.D.
Dean of the Graduate School of Arts and Sciences

WALTER HAROLD DELAPLANE, A.B., A.M., Ph.D.
Assistant to the Dean of the Graduate School

FRANK CLYDE BROWN, A.B., A.M., Ph.D.
Comptroller

CHARLES BLACKWELL MARKHAM, A.B., A.M.
Treasurer

JOHN JORGENSEN LUND, A.B., Ph.D.
Librarian

EXECUTIVE COMMITTEE OF THE GRADUATE SCHOOL COUNCIL

CALVIN BRYCE HOOVER, A.B., Ph.D., Litt.D.
Dean of the Graduate School of Arts and Sciences, ex officio

BENNETT HARVIE BRANSCOMB, A.B., B.A., M.A., Ph.D., Litt.D.

WILLIAM THOMAS LAPRADE, A.B., Ph.D.

ARTHUR SPERRY PEARSE, B.S., A.M., Ph.D.

JOSEPH JOHN SPENGLER, A.B., M.A., Ph.D.

NEWMAN IVEY WHITE, A.B., A.M., Ph.D.

ROBERT RENBERT WILSON, A.B., A.M., Ph.D., LL.D.

* Died, October 16, 1940.

** Elected, January 29, 1941.

GRADUATE INSTRUCTION IN DUKE UNIVERSITY

ADMISSION

TO GRADUATE COURSES

A student who has received the A.B. or B.S. degree for a four-year undergraduate course may be admitted to take graduate courses in the Graduate School of Arts and Sciences of Duke University, provided that his undergraduate record gives positive evidence of ability to undertake graduate study successfully. An average grade of not less than "B" is ordinarily accepted as evidence of such ability.

No college or university work taken before the Bachelor's degree is conferred, or fully earned, may be credited toward an advanced degree except under the following circumstances: A student of Duke University who lacks at the beginning of a term not more than nine semester hours of fulfilling the requirements for the Bachelor's degree may obtain permission from the Dean of the Graduate School to take during the term graduate courses sufficient to bring his total work to fifteen hours a week. Such graduate courses will be credited toward the degree of Master of Arts or Master of Education if registered in the Graduate School Office at the beginning of the term and if the student meets the requirements below for formal admission to the Graduate School.

A candidate for admission to graduate courses should ask the proper officer of the college(s) he attended to send directly to the Dean of the Graduate School an official transcript of his undergraduate record. An advanced student should provide also a transcript of the graduate work he has completed. In no case will a transcript presented by the candidate himself be accepted as a basis for admission, nor will a transcript mailed by any institution be returned to the student. An application blank for admission will be provided upon request to the Dean of the Graduate School. The transcript and application should be submitted to the Graduate School by September 1 for admission in the autumn semester and by January 15 for admission in the spring semester.

TO THE GRADUATE SCHOOL

After twelve semester hours of graduate work, the student may apply for admission to the Graduate School, and thus become a candidate for the Master's degree. Such admission is dependent upon the fulfillment of two conditions. (1) The student must have made a mark of "G" or "Good" in at least three semester hours of work, with no mark less than "S." Candidates who cannot meet this condition may at a later time submit their records for re-evaluation, provide that in their subsequent work they shall have made a substantial number of "G's." (2) The student in his undergraduate work must have met substantially the requirements for the A.B. or B.S. degree at Duke University. Any deficiencies

of undergraduate work must be satisfied before admission to the Graduate School. Graduate courses taken at Duke University prior to formal admission to the Graduate School will count toward a higher degree provided they are in accord with its requirements and are acceptable to the major department.

REGISTRATION

A student who is admitted to graduate courses will receive a permit to register, which he should present when he registers for courses. If he expects to work toward an advanced degree, he must consult with the Director of Graduate Studies or his representative in the department in which he proposes to major before registering his courses in the Graduate School Office. This can be done during the registration period in September and January. The department concerned will determine whether a student is prepared to take any particular course. In all cases the student must make up without credit toward a graduate degree all prerequisites required by the major department of candidates for advanced degrees. Students who have fulfilled the minimum residence requirements for the doctorate but who are continuing resident study at Duke University for the degree should register in the Graduate School Office, even though there may be no fees to be charged.

New students are advised to arrive early during the registration period in order to formulate their programs. Anyone registering for courses after the close of the regular registration period will be charged a late registration fee of five dollars.

TUITION AND FEES

GENERAL FEES IN THE ACADEMIC YEAR

The following table shows the general fees and charges collected from all students and the special fees collected from those taking courses in the sciences. All fees for each semester are due and payable, unless otherwise specified, at the time of registration at the beginning of that semester. No student is admitted to classes until arrangements have been made with the Treasurer of the University for the settlement of fees.

Matriculation, per semester.....	\$ 25.00
Tuition, per semester	100.00
Room-rent—See detailed statement that follows.	
Athletic Fee, admitting students to all athletic contests held on the University grounds, per semester.....	
Damage Fee, payable annually in September.....	5.00
Medical Fee, per semester.....	1.00
Library Fee, per semester.....	5.00
Commencement Fee, payable once by graduate students in the last semester before a degree is conferred.....	5.00
Diploma Fee, payable by candidates for degrees at the beginning of the second semester, refunded if the diploma is not awarded.....	3.00

For further information concerning room-rent, see below.

SPECIAL FEES

Graduate students in the sciences are required to pay the special laboratory fees for courses as fixed by the various departments. An administrative fee is charged in connection with special research work in the summer under direction of a member of the Faculty.

STUDENTS FROM THE UNIVERSITY OF NORTH CAROLINA GRADUATE SCHOOL

Under an experimental plan of co-operation between the University of North Carolina and Duke University, regular students from the University of North Carolina Graduate School admitted to courses in the Duke University Graduate School pay a registration fee of two dollars and any laboratory or special course fees which are required of all students.

TRANSCRIPTS

A student desiring to transfer from Duke University to another institution is entitled to one free transcript of his record. A charge of one dollar, payable in advance, is made for each additional copy. Transcripts of students who enroll in graduate courses only in the summer sessions are issued by the Summer School Office prior to the fulfillment of all requirements toward an advanced degree, after which time they can be obtained in the regular way from the Graduate School.

PAYMENTS TO FELLOWS, SCHOLARS, AND GRADUATE ASSISTANTS

Payments by the University of stipends to fellows, scholars, and graduate assistants are made in four equal installments on November 25, January 25, March 25, and May 25. Tuition and fees are charged against the stipends.

Fellows and scholars are required to pay the regular tuition and fees and are expected to take a full program of work. Assistants who are permitted to register for only four fifths of a regular program are charged a proportionate amount of the tuition in addition to the regular matriculation and other minor fees.

SPECIAL CHARGES FOR TEACHERS AND OTHERS

For the purpose of aiding North Carolina teachers in their professional preparation, Duke University grants a special tuition rate to members of the faculties of near-by schools and colleges who desire to register during the regular academic session for one or two graduate courses. For such courses a teacher regularly employed and teaching while taking these courses is charged a registration fee of five dollars at the beginning of each semester and a tuition fee of three dollars per semester hour of course credit, together with any regular laboratory fees which may be required in these courses. Under this provision a student may not register for more than seven hours per week.

Employees of Duke University who are paid on a monthly basis throughout the year, ministers of near-by churches, and wives of the Duke Faculty may be included under the above provisions by the Dean of the Graduate School, provided that such persons do not receive resi-

dence credit in any semester for more than two fifths of a regular program in meeting the requirements for advanced degrees.

The special tuition rate for teachers does not apply in any case to the holders of fellowships, graduate scholarships, and graduate assistantships annually awarded in the Graduate School nor to teachers on leave of absence and not actually engaged in their teaching at the time of registration.

FELLOWSHIPS, SCHOLARSHIPS, AND ASSISTANTSHIPS

For the assistance and encouragement of graduate students of high character and marked ability, the University has established a considerable number of fellowships and scholarships. Holders of fellowships and scholarships will be expected to pay the tuition fee and such additional fees as are regularly required. Applications for these appointments should be received on or before March 1 of each year. In case vacancies occur, applications submitted on a later date will be considered. Appointments which were offered for the year 1941-42 are listed below.

FELLOWSHIPS

One Angier Duke Memorial Fellowship of one thousand dollars.

Twenty-two university fellowships with stipends varying from six hundred to seven hundred and fifty dollars each.

One Gurney Harriss Kearns Fellowship in Religion of seven hundred dollars.

Fellows will be required to give a limited amount of assistance in reading papers, in laboratories, or in other departmental duties. All fellows carry a full program of graduate work.

GRADUATE SCHOLARSHIPS

Twenty-five graduate scholarships with stipends varying from four hundred to four hundred and fifty dollars each.

Scholars may be asked to give a limited amount of assistance in departmental work. They normally carry a full program of graduate studies.

CHARLES W. HARGITT RESEARCH FELLOWSHIP IN ZOOLOGY

The Charles W. Hargitt Research Fellowship in Zoology, carrying a stipend of \$1,000, is restricted to research work in the field of *Cytology*. Appointment is for a single year, with the possibility of reappointment. The fellowship is primarily for post-doctoral research, though it may be applied to pre-doctoral work in rare cases. Inquiries and applications should be made to Dr. George T. Hargitt, Biology Building, Duke University, Durham, North Carolina.

FELLOWSHIPS AND GRADUATE SCHOLARSHIPS IN FORESTRY

Information regarding special fellowships and graduate scholarships in forestry may be obtained before March 1, 1942, from the Dean of the School of Forestry, Duke University, Durham, North Carolina.

BROOKINGS-DUKE CO-OPERATIVE FELLOWSHIPS

Duke University and the Brookings Institution of Washington, D. C., have entered into a co-operative arrangement for the establishment of fellowships in economics and political science. Each fellowship will be of the approximate annual value of one thousand dollars. The fellowships will be available to third-year or more advanced graduate students in Duke University, who have either completed the work for the Ph.D. degree, or who wish to do thesis work in Washington. In carrying on their work, students will use the facilities of the Brookings Institution. In most cases unmarried persons will be nominated for these appointments. Further details can be obtained from the Dean of the Graduate School, Duke University, or from the Brookings Institution, Washington, D. C. Graduate students who desire to be nominated by Duke should apply to the departments concerned not later than March 1. Nominations are transmitted to the Brookings Institution by March 15.

APPOINTMENTS AS GRADUATE ASSISTANTS

A considerable number of appointments as teaching assistants or readers will be available for graduate students. The compensation will usually range from \$300 to \$700, depending upon the nature and amount of the work assigned. Assistants receiving \$500 or more will be registered for four fifths of a normal program of studies.

Information regarding fellowships, graduate scholarships, and graduate assistantships, together with application blanks, may be obtained from the Dean of the Graduate School, Duke University, Durham, North Carolina.

SIGMA XI PRIZE AWARDS

The Society of Sigma Xi offers each year a prize of \$20 for a Master's thesis or its equivalent and one of \$40 for a Ph.D. dissertation or its equivalent in the fields of Botany, Chemistry, Forestry, Mathematics, Medicine, Physics, Psychology, and Zoology. The student must be in residence during the academic year in which the prize is awarded. Students holding graduate appointments are eligible to compete, but instructors, part-time instructors, and interns are not eligible. The department concerned makes the nomination. Full particulars may be obtained from the secretary of the Chapter.

ADVANCED DEGREES

The degrees offered in the Graduate School of Arts and Sciences are Master of Arts (A.M.), Master of Education (M.Ed.), and Doctor of Philosophy (Ph.D.). Most departments of the University are now prepared to give a full program of work leading to the degree of Doctor of Philosophy.

THE LIBRARIES

The total number of volumes in the University Libraries on June 30, 1940, was 600,235 volumes. These are distributed among four main units:

the General Library with 451,428 volumes; the Hospital (Medical) Library, 37,933 volumes; the Library of the Law School, 65,157 volumes; and the Woman's College Library, 46,895 volumes.

The work of students in the Graduate School is carried on primarily in the General Library. A Graduate Reading Room, which contains the reference material most in demand, provides a quiet and convenient place for study. Graduate students are also admitted freely to the stacks. Within the stacks are located 108 carrells or desks which are assigned on an annual basis, preference being given to students in the Graduate School. To facilitate work in the natural sciences, the General Library maintains departmental libraries adjacent to laboratories for the Departments of Chemistry, Physics, and Biology. A departmental library is also maintained for the School of Religion.

In the field of mathematics and the sciences particular attention has been given to securing files of important journals and serials. A check-list of all scientific periodicals and serials on the University campus shows a total of approximately 2,200 files in a more or less complete form. The total number of current periodicals received by subscription, exchange, and gift in 1939-40 was 3,289, exclusive of duplicates.

In the field of the social sciences and the humanities every effort has been made to secure the basic collections of source material as well as the more important publications of criticism and discussion. This has been done by the acquisition of such sets as the *Die Griechischen Christlichen Schriftsteller der ersten drei Jahrhunderte*, *Corpus Scriptorum Ecclesiasticorum Latinorum*, Migne's *Patrologia*, the *Corpus Scriptorum Historia Byzantiae*, the *Monumenta Germaniae Historica*, the *Acta Sanctorum*, the *Corpus Reformatorum*, the catalogs of the manuscript collections of the larger European libraries, complete files of the publications of the League of Nations, the International Labor Office, and many others. The endeavor to select the more important items in the various fields of graduate work has been supplemented by the purchase of a number of special collections and libraries. Among the more important of these might be mentioned a Peruvian library of approximately three thousand books and manuscripts; a library of several thousand volumes dealing with Brazil; the recently acquired Robertson library of Philippiniana; the Lanson Collection of French literature consisting of twelve thousand books and monographs; a Goethe collection of one thousand volumes; a Scandinavian collection of three thousand volumes; a collection of about five thousand items of early Americana, dating from the seventeenth century to 1820; the Holl church history library dealing primarily with the period of the Reformation; a collection of many thousands of church minutes and records of American denominational history; two collections of eighteenth-century English poetry and prose totaling about five thousand items; two special collections, one dealing primarily with Byron and the other with Coleridge, containing a number of manuscripts, annotated copies, and first editions; a collection of material on the Fourier movement; and the Thomas Collection of books on Chinese history and cul-

ture. Special mention should be made of the George Washington Flowers Collection of manuscripts, books, newspapers, and pamphlets dealing with all phases of Southern history.

PUBLIC DOCUMENTS

The importance of public documents as fundamental source materials for the social sciences and as containing also some of the most important work in the field of applied science is being clearly recognized, and an excellent start has been made toward a comprehensive collection of this material. The Library has been a depository for Federal documents since 1890. State documentary publications are also being systematically collected in co-operation with the University of North Carolina. Of European public documents a representative collection has been secured. Among the more notable items might be mentioned the *British Parliamentary Papers* (since 1925), *Calendar of State Papers*, the *Acts of the Privy Council*, *Hansard's Debates*, the *Débats Parlementaires* of the French Senate and Chamber of Deputies, the *Journal Officiel de la République Française*, the *Bulletin des Lois de la République Française*, the *Reichsgesetzblatt*, the *Verhandlungen des Reichstages*, the *Atti* of the Italian Parliament, and the *Diario* of the Spanish Cortes. The public documents of the Latin-American countries, especially Argentina, Brazil, Chile, and Peru, form one of the strongest units of the Library.

Under this heading should be mentioned also the library of Professor Louis Strisower, sometime president of the Institut de Droit International, which contains approximately five thousand volumes dealing with international law. The volumes date from the seventeenth century to the present and contain some especially valuable periodical files and rare books.

PUBLICATIONS OF EUROPEAN ACADEMIES

The Duke University Library has the publications of many of the European academies, containing monographs in most of the fields of knowledge and constituting important sources for the research programs of graduate students and Faculty. The sets comprise about two thousand volumes and include *Preussische Akademie der Wissenschaften* (Berlin); *Gesellschaft der Wissenschaften zu Göttingen*; *Sächsische Akademie der Wissenschaften* (Leipzig); *Bayerische Akademie der Wissenschaften* (Munich); *Heidelberger Akademie der Wissenschaften*; *Akademie der Wissenschaften* (Vienna); *Académie des sciences* (Paris); *Académie des inscriptions et belles-lettres* (Paris); *Académie des sciences morales et politiques* (Paris); *Accademia dei lincei* (Rome); *Accademia nazionale dei lincei*; *Accademia pontificia dei nuova lincei* (Rome); *Real academia española*; *Academia de la historia* (Madrid); *Akademia nauk* (Leningrad); *Dansk videnskabernes selskab* (Copenhagen); *Norsk videnskapsakademi i Oslo*; *Akademie van Wetenschappen* (Amsterdam); *Académie royale des sciences, des lettres et des beaux-arts de Belgique* (Brussels); *Akademiya umiejtnosci* (Krakow).

NEWSPAPERS

The Library collection of newspapers contains around twelve thousand volumes. Practically all states of the Union are represented, although the major part of the collection is from along the Atlantic seaboard. Of the eighteenth-century items, the states best represented are Massachusetts, Maryland, New York, Rhode Island, Virginia, North Carolina, South Carolina, and Georgia. There is an excellent collection of nineteenth-century New England papers. There are especially long runs of the *New York Herald*, *New York Times*, *New York Tribune*, and the *London Times*. The World War period is unusually strong with about twenty-eight titles practically complete for 1914-19. There is a group of papers from Germany in the years just after the World War. Special emphasis has been placed on the Southern States, and there are numerous volumes of papers from North Carolina, South Carolina, and Virginia, representing the Colonial period, the Ante-Bellum period, and the Civil War period. The current subscription list of eighty-four titles represents American public opinion and contains nineteen important foreign titles.

MANUSCRIPTS

The manuscript collection now contains approximately 640,000 pieces. Outstanding items include one notable Greek manuscript of the thirteenth century containing the entire New Testament. There is an interesting body of Rossetti material and a number of Tennyson letters. For the most part, however, the collection relates to the South Atlantic region. The field of American literature is represented by the papers of Paul Hamilton Hayne, Thomas Holley Chivers, William Gilmore Simms, John Esten Cooke, George Frederick Holmes, and Thomas Nelson Page. Material is most copious in the field of history, where the papers of both well-known and minor figures provide a well-rounded picture of life in the South during the nineteenth century. Aside from politics, information can be found on all phases of social and economic life. Particular attention is given to the period of the Civil War, with the result that the collection is rich in material on civic and social as well as military phases of that conflict. Of interest for historical studies are the papers of P. G. T. Beauregard, John C. Calhoun, David Campbell, John J. Crittenden, William H. Crawford, Jefferson Davis, James Mercer Garnett, Nathanael Greene, Louis M. Goldsborough, David B. Harris, William W. Holden, T. J. (Stonewall) Jackson, John M. Kell, Robert E. Lee, Francis R. Lassiter, George McDuffie, A. T. Mahan, Willie P. Mangum, Matthew Fontaine Maury, Francis W. Pickens, Richard Singleton, and Alexander H. Stephens. The manuscript collection is increasing at the rate of about fifty thousand items annually.

EXCHANGE PRIVILEGES WITH THE LIBRARY OF THE UNIVERSITY
OF NORTH CAROLINA

The libraries of Duke University and of the University of North Carolina have completed arrangements for the fullest exchange of priv-

ileges and resources. Each library contains a catalogue of the contents of the other, and books requested from the other library are supplied through a delivery service which operates daily with the exception of Sundays. Faculty members and graduate students may secure cards admitting them to the stacks of the other library. The Library of the University of North Carolina contains approximately 374,000 volumes, besides a large collection of manuscripts relating to Southern history. Through this arrangement more than 975,000 volumes are available to students in the combined libraries.

SCIENCE LABORATORIES

BIOLOGICAL LABORATORIES

The Biology Building on the West Campus contains three refrigerated rooms, an incineration room, a workshop, an aquarium room, five animal rooms connected with outside yards, and eight dark rooms. Special laboratories are provided for advanced work in plant and animal physiology, parasitology, cytology, taxonomy, bacteriology, ecology, histology, mycology, anatomy, embryology, endocrinology, entomology, forest soils, and wood anatomy and properties. A 300-acre arboretum is being developed adjacent to the campus with Dr. E. S. Harrar in charge. A greenhouse gives adequate space for experimental work and propagation. There is an herbarium of some fifty thousand specimens of all plant groups with a large representation of the Southern flora. Dr. H. J. Oosting is Curator of the Herbarium, and Dr. I. E. Gray is the Curator of the Zoological Museum. On the East Campus, laboratories are provided for undergraduate women, and there is a small greenhouse near the Science Building. Laboratories and rooms for students doing research are equipped with vacuum, compressed air, direct and alternating current, gas, and running water. Proper equipment and supplies for biological work are available.

The Duke Forest and its streams provide excellent collecting grounds. The Duke Forest is under the management of the School of Forestry. Duke University is situated in the Piedmont region, between the mountains and the coastal plains. This gives easy access to a varied flora and fauna. North Carolina is the home of the tulip poplar, holly, rhododendron, mountain laurel, flowering dogwood, several species of insect-catching plants, cypress, and other interesting plants. Among the animals are a varied assortment which range from marine to montane species. In the woods about the University there is a great variety of animals.

The Duke Marine Laboratory at Beaufort, North Carolina, provides facilities for work on plants and animals in and near the ocean. It is situated on Piver's Island, adjacent to the Biological Laboratory of the United States Bureau of Fisheries. Dr. A. S. Pearse is Director.

PHYSICAL LABORATORIES

The physical laboratory contains approximately an acre of floor space which is devoted to instruction and research. In addition to the usual

lecture and elementary laboratory facilities, laboratories are provided for work in electrical measurements, optics, atomic physics, and advanced measurements in general physics.

Rooms are provided for various instruments of research in spectroscopy, such as a 10-foot concave grating which is used in conjunction with a 32-meter-long stainless steel pipe for study of weak absorption; a vacuum spectograph with a 2-meter glass grating; an apparatus for the study of the Raman spectra of gases photographed with a large 3-prism glass f 2.5 glass Zeiss spectograph and various other spectroscopic instruments, such as the Hilger E-1, Moll microphotometer, etc.

Research facilities, such as counters, cloud chambers and ionization chambers, are available for the study of the properties of extremely high energy particles such as those present in the cosmic radiation.

A well-equipped shop operated by trained instrument makers makes possible the development of instructional and research apparatus. A shop is also provided for the use of the Staff and graduate students.

CHEMICAL LABORATORIES

Graduate work in chemistry is carried on in a new building which has a floor area of about 57,000 square feet. The equipment of this building is modern in every respect. Of this total space a large proportion is available for research and advanced teaching. There are twenty-five double research rooms completely equipped with the usual services. In addition a number of specially designed rooms are available for present or future research such as: a photographic room, constant temperature room, distillation room, combustion room, bomb room, animal room, and rooms equipped for dielectric constant and magnetic measurements.

A glass-blowing room and a well-equipped shop, operated by a competent mechanic, provide facilities for the construction of special apparatus and for the repair and maintenance of instruments.

MEDICAL SCHOOL

In the School of Medicine elaborate facilities are provided for post-graduate research in the various branches of medical science. The Departments of Anatomy, Bacteriology and Immunology, Biochemistry, and of Physiology, Pharmacology, and Nutrition offer certain courses and adequate research facilities to students in the Graduate School of Arts and Sciences (see page 206 of this catalogue). The use of the Duke Hospital Library is available to all graduate students.

THE DUKE FOREST

Through placing the Duke Forest under intensive management for forestry purposes, substantial progress has been made in developing the educational work and research in forestry. The Duke Forest consists of approximately five thousand acres of land, most of which is adjacent and easily accessible to the University campus. Situated in the lower Piedmont region, composed of second-growth shortleaf pine, loblolly

pine, and hardwoods, the Forest is representative of the various types of timber growth and soils found throughout the region.

Owing to the proximity of the Forest to the laboratories, green-houses, and library facilities of the University, an excellent opportunity exists for advanced study and research in forestry. Research, particularly in the fields of silvics, forest soils, silviculture, forest management, properties of wood, forest-tree physiology, and forest pathology, is well under way. Several members of the Botany and Zoology Staffs are also engaged on research in the Duke Forest.

For additional information see the *Bulletin of the School of Forestry*.

ENCOURAGEMENT OF RESEARCH

The President of the University appoints annually a University Council on Research. The twelve members of this Council are chosen from the Faculties of the Schools of Medicine, Law, and Religion, and the Graduate School of Arts and Sciences. In May of each year the Council on Research receives written applications from members of the Faculty for subsidies to be used in the following fiscal year to aid them in carrying out research projects. Stipends are granted for the employment of research assistants, for the purchase of books and for apparatus, supplies, and equipment. Each member of the Faculty to whom a research stipend is granted must make a written report within twelve months to the Council concerning the progress of the investigation for which the stipend was allowed.

SPECIAL LECTURES

During each academic year the University Lecture Committee arranges for a number of special lectures of value to graduate students interested in various fields of knowledge. The Woman's College Lecture Series brings other guests to the campus. In addition to these lectures, a number of distinguished speakers appear each year on the programs of various schools and departments of the University.

Among the guest lecturers in 1940-41 were Dr. Paul Linebarger, recently returned from China; Mr. Ernest K. Lindley, Washington correspondent; Mr. Herbert Agar, editor of the *Louisville Courier-Journal*; and Mr. Leland Stowe, noted war correspondent of the *Chicago Daily News*.

THE UNIVERSITY PRESS

As far back as 1897 Trinity College began sponsoring the publication of *The Papers of the Trinity College Historical Society*, which was distributed to members of the Society and on exchange to other institutions. This series was the first publishing venture of the College.

In 1902, the 9019, an honor scholastic society on the campus, sponsored the launching of *The South Atlantic Quarterly*, which was later taken over by the Press.

In 1925, after the acceptance of the indenture of trust of James B. Duke, Trinity College became Duke University, and the following year

the University Press was organized as successor to the Trinity College Press, established in 1921, to publish the results of research engaged in by the Faculty and such other works as were approved by a board of editors appointed for the purpose. One of the first steps of the new organization was to revive *The Hispanic American Historical Review*, which had been founded and published from 1918 to 1922 by a group of scholars interested in Hispanic America. Since 1926 its publication has been continued without interruption and its mission has been supplemented by the publication of many studies dealing with the history, politics, and foreign relations of the Hispanic nations of the New World.

In 1929 *American Literature* was begun with the co-operation of the American Literature Group of the Modern Language Association. This journal was followed in 1931 by *Ecological Monographs*, a quarterly sponsored by the Ecological Society of America to take care of papers too long for inclusion in *Ecology*.

Character and Personality was founded in 1932 to offer a medium for the publication of studies in fields related to this phase of psychology. It is an international quarterly which appears simultaneously in the United States and Great Britain. A German edition formerly published in Germany has been forced to suspend publication.

Besides these regular quarterly publications the Press has issued *Duke University Psychological Monographs*, the title of which has been changed to *Contributions to Psychological Theory*, and *Duke University Research Studies in Education* sponsored by the Department of Education of the University.

In 1935 the Press started the publication of the *Duke Mathematical Journal*, with the co-operation of the Mathematical Association of America, and *The Journal of Parapsychology* (1937)* for the publication of the results of research in psychoanalysis, mental telepathy, and allied studies. For the Southern Association of Colleges and Secondary Schools, the Press publishes *The Southern Association Quarterly*, official organ of the Association. The Law School issues another quarterly, *Law and Contemporary Problems*, carrying a symposium of some important legal problem in each number.

Since its organization the Press has offered to the public the products of able scholarly research to the number of more than one hundred volumes. It has not limited its scope to any one field or to any one group of authors. In addition to the many works submitted by members of the Faculty, a great number of manuscripts by authors who had no connection with the University have been issued under the imprint of the Press.

In the broadest sense, the policy of the Press is to give to the public any work which, because of the merit of its contents, its style, and its general value, deserves publication.

COURSES OF INSTRUCTION

This is a condensed description of courses. For a full description, see Bulletin of the Graduate School.

Certain undergraduate courses are open to graduate students with the approval of the department. See the Bulletin of Undergraduate Instruction.

DIVISION OF ANCIENT LANGUAGES AND LITERATURES

PROFESSOR BRANSCOMB, CHAIRMAN; PROFESSORS PEPPLER, ROGERS, AND
ROSBOROUGH; ASSOCIATE PROFESSOR STINESPRING; ASSISTANT
PROFESSORS CLARK, GATES, AND WAY;
DRS. ROSE AND TRUESDALE

GREEK

FOR SENIORS AND GRADUATES

- | | |
|---|-------------------------|
| 201-202. Greek Tragedy.—6 s.h. | PROFESSOR PEPPLER |
| 203-204. Homer.— <i>Odyssey</i> . Pindar and Bacchylides. 6 s.h. | DR. TRUESDALE |
| 205-206. Greek Historians.—6 s.h. | PROFESSOR PEPPLER |
| 207-208. Greek Orators.—6 s.h. | ASSISTANT PROFESSOR WAY |
| 209-210. Plato.— <i>Symposium</i> , <i>Protagoras</i> , and parts of the <i>Republic</i> . 6 s.h. | ASSISTANT PROFESSOR WAY |
| 211-212. Aristophanes.—6 s.h. | PROFESSOR PEPPLER |
| (Only one of the six courses listed above is offered each year.) | |
| 243. Athenian Topography.—3 s.h. | ASSISTANT PROFESSOR WAY |
| 244. Greek Epigraphy.—3 s.h. | ASSISTANT PROFESSOR WAY |
| 245. Greek Dialects.—3 s.h. | ASSISTANT PROFESSOR WAY |
| 246. Greek Historical Inscriptions.—3 s.h. | ASSISTANT PROFESSOR WAY |
| 247-248. Greek Archaeology.—6 s.h. | ASSISTANT PROFESSOR WAY |

(Of the courses numbered from 243 to 248, only two semester-courses are offered each year.)

FOR GRADUATES

The more advanced work of the graduate department is done in the seminar. One author or group of authors forms the center of study each year. Seminars are offered in Aristophanes (301-302), The Greek Historians (303-304), The Attic Orators (305-306), and The Greek Tragic Poets (307-308). These run through a cycle of four years. In 1941-42 the work will be:

- | | |
|--|-------------------|
| 301-302. Seminar in Aristophanes.—6 s.h. | PROFESSOR PEPPLER |
|--|-------------------|

Graduate students of Duke University may attend the American School of Classical Studies in Athens, Greece, without charge for tuition, and they are eligible to compete for the fellowships that are offered annually by the School. These consist of two fellowships in Greek archaeology, and one in the language, literature, and history of ancient Greece, each with a stipend of \$1,300. They are awarded mainly on the basis of examinations held in the beginning of February of each year.

LATIN AND ROMAN STUDIES

FOR SENIORS AND GRADUATES

201. Roman Fiction.

[Not offered in 1941-42]

202. Latin Christian Writers.

[Not offered in 1941-42]

203-204. Roman Epic: Ennius, Vergil, Manilius, Lucan, Flaccus, Statius, Silius.—Not offered if 205-206 is given. 6 s.h.

ASSISTANT PROFESSOR GATES

205-206. Roman Drama: Plautus, Terence, Seneca.—6 s.h.

ASSISTANT PROFESSOR GATES

207-208. Roman Philosophy.—6 s.h.

PROFESSOR ROSBOROUGH

209-210. Vulgar Latin: Introduction to Romance Philology.

[Not offered in 1941-42]

211-212. Roman Oratory.

[Not offered in 1941-42]

215. Introduction to Roman Art and Archaeology.

[Not offered in 1941-42]

216. Topography and Monuments of Ancient Rome.

[Not offered in 1941-42]

251-252. Roman Life.

[Not offered in 1941-42]

281-282. Roman Historical Literature.

[Not offered in 1941-42]

283-284. Roman Law.—6 s.h.

PROFESSOR ROGERS

FOR GRADUATES

309-310. Sight Reading and Composition.—6 s.h.

PROFESSOR ROSBOROUGH AND DR. ROSE

311-312. Latin Epigraphy.—6 s.h.

PROFESSOR ROSBOROUGH

375-376. Greek and Latin Linguistics.—6 s.h.

PROFESSOR ROSBOROUGH AND DR. ROSE

Seminars: Various authors or historical periods are selected from year to year as a basis for training in criticism and research. Seminars are offered in the following: Catullus (301-302), Roman Historians (331-332), Roman Provincial Administration (341-342), The Reign of Tiberius (343-344), Martial (351-352), Horace (361-362), and Cicero's Public Career (391-392). The seminars planned for 1941-42 are:

343-344. The Reign of Tiberius.—6 s.h.

PROFESSOR ROGERS

351-352. Martial.—6 s.h.

PROFESSOR ROSBOROUGH

SANSKRIT

FOR GRADUATES

385-386. Elementary Sanskrit.—6 s.h.

DR. ROSE

SEMITICS

FOR SENIORS AND GRADUATES

O. T. 201-202. First Hebrew.—6 s.h. ASSOCIATE PROFESSOR STINESPRING

FOR GRADUATES

O. T. 304. Aramaic.—3 s.h. ASSOCIATE PROFESSOR STINESPRING

O. T. 305-306. Elementary Arabic.—6 s.h.
[Not offered in 1941-42] ASSOCIATE PROFESSOR STINESPRING

O. T. 307-308. Second Hebrew.—6 s.h. ASSOCIATE PROFESSOR STINESPRING

O. T. 309. History of the Ancient Near East.—3 s.h. ASSOCIATE PROFESSOR STINESPRING

N. T. 316. Judaism at the Beginning of the Christian Era.—3 s.h.
PROFESSOR BRANSCOMB

RELATED COURSES IN OTHER DEPARTMENTS

Philosophy 217. Philosophy of Aristotle.—3 s.h. DR. McLARTY
[Not offered in 1941-42]

Religion 218. Galatians and I Corinthians.—3 s.h. ASSISTANT PROFESSOR CLARK

Religion 315. Hellenistic Religions at the Beginning of the Christian Era.—3 s.h. ASSISTANT PROFESSOR CLARK

Religion 318. The Text of the New Testament.—3 s.h. ASSISTANT PROFESSOR CLARK

BOTANY

PROFESSOR BLOMQUIST,* CHAIRMAN—203 BIOLOGY BUILDING; PROFESSOR WOLF,
DIRECTOR OF GRADUATE STUDIES—315 BIOLOGY BUILDING; ASSOCIATE PRO-
FESSORS ADDOMS, HARRAR, AND KRAMER; ASSISTANT PROFESSORS
* OOSTING AND PERRY; DRS. ANDERSON AND PAGÁN

FOR SENIORS AND GRADUATES

202. Genetics.—4 s.h. ASSISTANT PROFESSOR PERRY
[Not offered in 1941-42]203. Plant Cytology.—Prerequisite: two years of botany. 4 s.h.
DR. ANDERSON

204. Advanced Plant Anatomy.—Prerequisite: Botany 55 or equivalent. 4 s.h. ASSOCIATE PROFESSOR ADDOMS

216. Botanical Microtechnique.—Prerequisite: three semesters of botany. 4 s.h. DR. ANDERSON

221. Structure and Classification of Fungi.—Prerequisite: two years of botany. 4 s.h. PROFESSOR WOLF

225-226. Special Problems.—Credits to be arranged.

(a) Bacteriology, Mycology, and Plant Pathology. PROFESSOR WOLF

(b) Cytology. DR. ANDERSON

* Absent on leave, 1941-42.

- (c) Ecology. ASSISTANT PROFESSOR OOSTING
- (d) Genetics. ASSISTANT PROFESSOR PERRY
- (e) Morphology and Anatomy of Higher Plants.
ASSOCIATE PROFESSOR HARRAR AND ADDOMS,
ASSISTANT PROFESSOR OOSTING

- (f) Morphology and Taxonomy of Lower Groups.
DRS. ANDERSON AND PAGÁN

- (g) Physiology. ASSOCIATE PROFESSORS KRAMER AND ADDOMS

- (h) Plant Microchemistry. ASSOCIATE PROFESSOR KRAMER

- (i) Taxonomy of Higher Groups. ASSISTANT PROFESSOR OOSTING

252. Advanced Plant Physiology.—Prerequisite: Botany 151 or equivalent;
organic chemistry recommended. 4 s.h. ASSOCIATE PROFESSOR KRAMER
[Not offered in 1941-42]

255. Advanced Taxonomy.—Prerequisite: two years of botany, including
Botany 52 or equivalent. 4 s.h. PROFESSOR BLOMQUIST
[Not offered in 1941-42]

256. Field Ecology.—Prerequisites: Botany 1, 2 and 52, or equivalent.
4 s.h. ASSISTANT PROFESSOR OOSTING

FOR GRADUATES

305. Plant Geography.—Prerequisite: Botany 156 or equivalent. 4 s.h.
[Not offered in 1941-42] ASSISTANT PROFESSOR OOSTING

307. Tropical Economic Botany.—2 s.h. DR. PAGÁN

310. Structure and Classification of Bryophytes and Pteridophytes.—Pre-
requisite: two years of botany. 4 s.h. DR. PAGÁN

311. Structure and Classification of Algae.—Prerequisite: two years of
botany. 4 s.h. PROFESSOR BLOMQUIST
[Not offered in 1941-42]

341. Methods in Plant Physiology.—4 s.h. ASSOCIATE PROFESSOR KRAMER

342. Plant Microchemistry.—2 s.h. ASSOCIATE PROFESSOR ADDOMS
[Not offered in 1941-42]

359-360. Research in Botany.—Credits to be arranged. STAFF

397-398. General Botanical Seminar.—2 s.h. STAFF

FOREST BOTANY

FOR SENIORS AND GRADUATES

224. Forest Pathology.—Prerequisites: Botany 1, 2, 3 or 4 s.h.
PROFESSOR WOLF

253-254. Dendrology.—Prerequisite: one year of botany. 4 s.h.
ASSOCIATE PROFESSOR HARRAR

RELATED COURSES IN OTHER DEPARTMENTS

These related courses may be counted toward a major in botany.

Zoology 341. Historical and Philosophical Zoology.—2 s.h.

[Not offered in 1941-42]

PROFESSOR HARGITT

Forestry 257. Design of Forestry Experiments and Analysis of Data.—

5 s.h.

PROFESSOR SCHUMACHEF

CHEMISTRY

PROFESSOR GROSS, CHAIRMAN AND DIRECTOR OF GRADUATE STUDIES—219 CHEMISTRY BUILDING; PROFESSORS LONDON, VOSBURGH, AND WILSON; ASSOCIATE PROFESSOR BIGELOW; ASSISTANT PROFESSORS BROWN, HAUSER, HILL, AND SAYLOR;* DRs. BRADSHER AND HOBBS

FOR SENIORS AND GRADUATES

215-216. Advanced Inorganic Chemistry.—Prerequisites: Chemistry 70 and 151-152. Chemistry 261-262, Physics 59-60 or 213-214, and ability to read German are desirable. **6 s.h.**

PROFESSOR VOSBURGH AND ASSISTANT PROFESSOR HILL

241. Physiological Chemistry.—Prerequisites: Chemistry 70 and 151-152. **4 s.h.**

PROFESSOR WILSON

242. Metabolism.—Two lectures, credit 2 s.h., and 6 laboratory hours, credit 2 s.h. **4 s.h.**

PROFESSOR WILSON

253-254. Advanced Organic Chemistry.—Prerequisites: Chemistry 151-152 or equivalent and a reading knowledge of German. **6 or 8 s.h.**

ASSOCIATE PROFESSOR BIGELOW AND ASSISTANT PROFESSORS BROWN AND HAUSER

261-262. Physical Chemistry.—Prerequisites: Chemistry 70, 151-152, Physics 1-2 or equivalent and Mathematics 7-8 or equivalent. **6 s.h.**

PROFESSOR GROSS, ASSISTANT PROFESSOR SAYLOR, AND DR. HOBBS

271. Introduction to Research.—1 s.h.

PROFESSORS GROSS AND VOSBURGH, AND ASSOCIATE PROFESSOR BIGELOW
[Offered in the second semester in 1941-42]

273-274. Seminar.—2 s.h.

PROFESSORS GROSS AND VOSBURGH; ASSOCIATE PROFESSOR BIGELOW;
ASSISTANT PROFESSORS BROWN, HAUSER, HILL, AND
SAYLOR; DRs. BRADSHER AND HOBBS

275-276. Research.—3 or 6 s.h.

PROFESSORS GROSS, LONDON, VOSBURGH, AND WILSON; ASSOCIATE PROFESSOR BIGELOW; ASSISTANT PROFESSORS BROWN, HAUSER, HILL, AND SAYLOR; DRs. BRADSHER AND HOBBS

FOR GRADUATES

303. Thermodynamics.—3 s.h.

[Not offered in 1941-42]

PROFESSORS GROSS AND SPONER

304. Chemical Thermodynamics.—3 s.h.

PROFESSORS GROSS AND VOSBURGH, AND ASSISTANT PROFESSOR SAYLOR
[Not offered in 1941-42]

* Absent on leave, first semester, 1941-42.

351-352. **Advanced Synthetic Organic Chemistry.**—2 s.h.

ASSOCIATE PROFESSOR BIGELOW AND ASSISTANT PROFESSOR HAUSER

363-364. **Advanced Physical Chemistry.**—Prerequisites: Chemistry 261-262 or its equivalent and calculus. 6 s.h.

PROFESSORS GROSS AND VOSBURGH; ASSISTANT PROFESSORS
HILL AND SAYLOR, AND DR. HOBBS

365-366. **Chemical Physcs. Statistical Theory, Principles and Applications.**—6 s.h.

PROFESSOR LONDON

[Not offered in 1941-42]

367-368. **Chemical Physcs. Theoretical Aspects of Atomic and Molecular Structure.**—6 s.h.

PROFESSOR LONDON

RELATED COURSES IN OTHER DEPARTMENTS BIOCHEMISTRY

M241. **General Biochemistry.**—Prerequisites: general chemistry, organic chemistry, elementary physical and analytical chemistry and at least one year of college biology. 6 s.h.

DRS. PERLZWEIG AND TAYLOR, AND STAFF

M242. **Biochemical Preparations.**—Prerequisite: Biochemistry M241. 2 s.h.

DR. TAYLOR AND STAFF

M243-244. **Physical Chemical and Colloid Chemical Principles of Biochemistry.**

DR. NEURATH

M341. **Pathological Chemistry.**—Prerequisites: Biochemistry M241 and Physiology M261-2.

DRS. PERLZWEIG, TAYLOR, AND M. L. C. BERNHEIM

M343. **Immunochemistry.**—2 s.h.

DRS. MARTIN AND NEURATH

M345. **Biological Oxidations.**—2 s.h.

DR. COOLIDGE AND STAFF

ECONOMICS

PROFESSOR HOOVER, CHAIRMAN—103 ADMINISTRATION BUILDING; PROFESSOR
HAMILTON, DIRECTOR OF GRADUATE STUDIES—503 LIBRARY; PROFES-

SORS SPENGLER* AND VON BECKERATH; ASSOCIATE PROFESSORS

BLACK,† DE VYVER, AND RATCHFORD; ASSISTANT PRO-
FESSORS LESTER AND SPRINGER

FOR SENIORS AND GRADUATES

217. **Population Problems and Resources.**—3 s.h.

PROFESSOR SPENGLER

218. **Business Cycles.**—3 s.h.

ASSISTANT PROFESSOR LESTER

230. **Public Debts in the United States.**—3 s.h.

ASSOCIATE PROFESSOR RATCHFORD

231. **The Economic History of Modern Europe.**—3 s.h.

PROFESSOR HAMILTON

232. **The Economic History of the United States.**—3 s.h.

PROFESSOR HAMILTON

233. **State and Local Finance.**—Prerequisite: Economics 187 or equivalent. 3 s.h.

ASSOCIATE PROFESSOR RATCHFORD

* Absent on leave, first semester, 1941-42.

† Absent on National Defense leave, 1941-42.

234. Federal Finance.—Prerequisite: Economics 187 or equivalent. 3 s.h.
ASSOCIATE PROFESSOR RATCHFORD
- 237-238. Statistical Methods.—Prerequisite: Economics 138 or consent of the instructor. 6 s.h.
ASSISTANT PROFESSOR SPRINGER
239. Prices.—3 s.h.
PROFESSOR HAMILTON
- 241-242. Value and Distribution.—6 s.h.
[Only 242 offered in 1941-42]
PROFESSOR SPENGLER
245. Problems of Modern Industrialism.—3 s.h.
PROFESSOR VON BECKERATH
253. Labor Problems.—3 s.h.
ASSOCIATE PROFESSOR DE VYVER
256. Labor Legislation.—3 s.h.
ASSOCIATE PROFESSOR DE VYVER
260. Social Insurance.—3 s.h.
[Not offered in 1941-42]
ASSOCIATE PROFESSOR DE VYVER
265. International Trade and Tariff Policies.—3 s.h.
PROFESSOR VON BECKERATH
266. International Finance.—3 s.h.
[Not offered in 1941-42]
PROFESSOR HAMILTON
268. Competitive versus Monopolistic Enterprise.—3 s.h.
PROFESSOR VON BECKERATH
270. Economics of War.—3 s.h.
PROFESSOR HAMILTON
- 275-276. Advanced Industrial Accounting and Management.—Courses 57-58 and 105 are ordinarily prerequisites for this course. 6 s.h.
[Not offered in 1941-42]
ASSOCIATE PROFESSOR BLACK

FOR GRADUATES

- 311-312. History of Political Economy.—6 s.h.
PROFESSOR HAMILTON
- 313-314. Seminar in Economic Theory.—Prerequisite: Economics 241-242 or its equivalent. 6 s.h.
PROFESSOR HOOVER
315. Economic Systems.—Credit for this course will be given only if the student takes Economics 316. 3 s.h.
PROFESSOR HOOVER
316. Economic Functions of the State.—Prerequisite: Economics 315 or its equivalent. 3 s.h.
PROFESSOR HOOVER
318. General Seminar in Economics.
STAFF

RELATED COURSES IN OTHER DEPARTMENTS

Attention is called to the following courses in related departments:

- Forestry 279. Economics of Forestry.—3 s.h.
ASSOCIATE PROFESSOR THOMSON
- History 219-220. The History of the European Proletariat.—6 s.h.
[Not offered in 1941-42]
PROFESSOR CARROLL
- Political Science 207. American Constitutional Law and Theory.—3 s.h.
PROFESSOR WILSON

EDUCATION

PROFESSOR HOLTON, CHAIRMAN—104 PAGE AUDITORIUM; PROFESSOR BROWNELL,
DIRECTOR OF GRADUATE STUDIES—1C WEST DUKE BUILDING; PROFESSORS
CARR, CHILDS, AND PROCTOR; ASSOCIATE PROFESSOR SCATES;
ASSISTANT PROFESSOR EASLEY*

ELEMENTARY EDUCATION

FOR SENIORS AND GRADUATES

207. *Technique of Teaching*.—3 s.h. PROFESSOR CARR
212. *Psychology of the Elementary School Subjects*.—3 s.h.
[Not offered in 1941-42] PROFESSOR CARR
222. *The Curriculum and Materials of the Elementary Grades*.—3 s.h.
PROFESSOR CARR
232. *Elementary School Supervision*.—3 s.h. PROFESSOR CARR

EXPERIMENTAL EDUCATION AND EDUCATIONAL PSYCHOLOGY

FOR SENIORS AND GRADUATES

208. *Mental Tests and Applications*.—Prerequisite: course 258 or six semester-hours of other work in educational psychology or psychology. 3 s.h.
ASSISTANT PROFESSOR EASLEY
209. *Statistical Methods Applied to Education*.—2 s.h.
ASSOCIATE PROFESSOR SCATES
216. *Psychological Principles of Secondary Education*.—3 s.h.
PROFESSOR CHILDS
217. *Advanced Educational Psychology*.—3 s.h. PROFESSOR BROWNELL
218. *Educational Implications of Genetic Psychology*.—Prerequisite: six semester-hours of psychology or educational psychology. 3 s.h.
[Not offered in 1941-42] PROFESSOR BROWNELL
219. *Experimental Education*.—3 s.h. PROFESSOR BROWNELL
227. *The Psychology of Learning: Problems*.—3 s.h.
ASSISTANT PROFESSOR EASLEY
228. *The Psychology of Learning: Theoretical and Experimental*.—Prerequisite: course 227 or its equivalent. 3 s.h.
ASSISTANT PROFESSOR EASLEY
237. *Investigations in Reading*.—3 s.h. PROFESSOR CARR
[Not offered in 1941-42]
247. *Investigations in Arithmetic*.—3 s.h. PROFESSOR BROWNELL
258. *Educational Measurements*.—Prerequisite: twelve semester-hours in the Department, including a course in educational psychology. 3 s.h.
ASSOCIATE PROFESSOR SCATES

* Absent on leave, first semester, 1941-42.

FOR GRADUATES

307-208. Seminar in Educational Psychology.—4 s.h.

PROFESSOR BROWNELL AND ASSISTANT PROFESSOR EASLEY

309-310. Research in Educational Psychology.—3 to 6 s.h.

PROFESSOR BROWNELL

320. Advanced Educational Statistics.—3 s.h.

ASSOCIATE PROFESSOR SCATES

338. Research in Reading.—3 s.h.

PROFESSOR CARR

[Not offered in 1941-42]

339. Research Course in Educational Tests.—Prerequisite: the equivalent of course 258. 3 s.h.

ASSOCIATE PROFESSOR SCATES

348. Research in Arithmetic.—3 s.h.

PROFESSOR BROWNELL

HISTORY AND PHILOSOPHY OF EDUCATION

FOR SENIORS AND GRADUATES

200. Introduction to the Philosophy of Education.—3 s.h.

[Not offered in 1941-42]

PROFESSOR HOLTON

214. History of Education in the United States.—3 s.h.

[Not offered in 1941-42]

PROFESSOR HOLTON

244. Studies in the Historical Development of Public School Administration.—3 s.h.

[Not offered in 1941-42]

PROFESSOR HOLTON

254. History of Secondary Education in the United States.—3 s.h.

[Not offered in 1941-42]

PROFESSOR PROCTOR

264. Recent Movements in American Education.—3 s.h.

PROFESSOR HOLTON

294. Comparative Education: Recent Movements in European Educational Systems.—3 s.h.

[Not offered in 1941-42]

PROFESSOR CARR

PUBLIC SCHOOL ADMINISTRATION

FOR SENIORS AND GRADUATES

203. Principles of School Administration.—Prerequisite: Education 103 and 58, or six semester-hours of equivalent work in education. 3 s.h.

PROFESSOR PROCTOR

233. Administrative Pupil-Accounting.—3 s.h.

[Not offered in 1941-42]

PROFESSOR PROCTOR

234. Secondary School Organization and Administration.—3 s.h.

PROFESSOR PROCTOR

253. Legal Phases of School Administration.—3 s.h.

[Not offered in 1941-42]

PROFESSOR HOLTON

FOR GRADUATES

323. Public School Finance.—3 s.h.

[Not offered in 1941-42]

PROFESSOR PROCTOR

343. State and County School Administration.—3 s.h.

PROFESSOR PROCTOR

363. City School Administration.—3 s.h.

PROFESSOR PROCTOR

SECONDARY EDUCATION AND EDUCATIONAL SOCIOLOGY

FOR SENIORS AND GRADUATES

205. Curriculum Problems in Secondary Education.—3 s.h.
[Not offered in 1941-42] PROFESSOR CHILDS
206. Sociological Foundations of the Secondary School Subjects.—Pre-requisite: six semester-hours in education, including course 105. 3 s.h.
[Not offered in 1941-42] PROFESSOR CHILDS
215. Educational and Vocational Guidance.—Prerequisite: twelve semester-hours in the Department, including course 105 or course 206. 3 s.h.
PROFESSOR CHILDS
225. The Teaching of History and the Social Studies.—3 s.h.
ASSISTANT PROFESSOR MANCHESTER
246. The Teaching of Mathematics.—3 s.h.
[Not offered unless justified by enrollment] PROFESSOR RANKIN
266. The Teaching of High-School French.—3 s.h. PROFESSOR WEBB

METHODOLOGY OF RESEARCH

FOR GRADUATES

300. Methods of Educational Research: Seminar.—3 s.h.
MEMBERS OF THE DEPARTMENT

RELATED COURSES IN OTHER DEPARTMENTS

FOR MAJORS IN EDUCATIONAL PSYCHOLOGY, ELEMENTARY EDUCATION
AND SECONDARY EDUCATION

- Psychology 206. Social Psychology.—3 s.h. ASSOCIATE PROFESSOR ADAMS
- Psychology 209. Experimental Methods in Human Psychology.—4 s.h.
ASSOCIATE PROFESSOR ZENER
- Psychology 211. Physiological Psychology.—3 s.h.
ASSISTANT PROFESSOR KEMP
- Psychology 215. Developmental Psychology.—3 s.h.
ASSOCIATE PROFESSOR ADAMS
- Psychology 226. Contemporary Schools of Psychology.—*First semester.*
3 s.h. ASSOCIATE PROFESSOR ZENER
[Not offered in 1941-42]
- Psychology 306. Seminar in Child Psychology.—2 or 3 s.h.
ASSOCIATE PROFESSOR ADAMS
- Psychology 309. Theory of Learning.—3 s.h. ASSOCIATE PROFESSOR ADAMS
[Not offered in 1941-42]
- Sociology 212. Child Welfare.—3 s.h. PROFESSOR JENSEN
[Not offered in 1941-42]
- Sociology 213. Constructive Social Policies.—2 s.h. PROFESSOR JENSEN
[Not offered in 1941-42]
- Sociology 232. Cultural Anthropology.—3 s.h. ASSOCIATE PROFESSOR GILLIN
- Sociology 319. Principles of Sociology.—3 s.h. PROFESSOR ELLWOOD

Sociology 320. History of Social Philosophy.—3 s.h. PROFESSOR ELLWOOD

FOR MAJORS IN PUBLIC SCHOOL ADMINISTRATION

Economics 230. Public Debts in the United States.—3 s.h.

ASSOCIATE PROFESSOR RATCHFORD

Political Science 209. State and Local Government in the United States.—
3 s.h. PROFESSOR RANKIN

Political Science 291. Municipal Government.—3 s.h. PROFESSOR RANKIN

Sociology 213. Constructive Social Policies.—2 s.h. PROFESSOR JENSEN
[Not offered in 1941-42]

FOR MAJORS IN HISTORY AND PHILOSOPHY OF EDUCATION

History 209-210. Constitutional History of the United States, 1763-1860.—
6 s.h. ASSISTANT PROFESSOR STILL
[Not offered in 1941-42]

Philosophy 205. The Philosophy of History.—3 s.h. PROFESSOR WIDGERY
[Not offered in 1941-42]

Philosophy 208. Political Philosophy.—3 s.h. ASSOCIATE PROFESSOR MORGAN

Philosophy 223. Contemporary Philosophy.—*Second semester.* 3 s.h.
[Not offered in 1941-42] PROFESSOR WIDGERY

Religion 291. Christian Ethics.—3 s.h. PROFESSOR SMITH

Religion 393-394. Religious Thought in the Rise of American Culture.—
6 s.h. PROFESSOR SMITH

Sociology 319. Principles of Sociology.—3 s.h. PROFESSOR ELLWOOD

Sociology 320. History of Social Philosophy.—3 s.h. PROFESSOR ELLWOOD

ENGLISH

PROFESSOR BROWN, CHAIRMAN—204 GRAY; PROFESSOR WHITE, DIRECTOR OF GRADU-
ATE STUDIES—401 LIBRARY; PROFESSORS BAUM, GILBERT,* GOHDES, HUBBELL,
AND IRVING; ASSISTANT PROFESSORS ALLEN AND WARD

201-202. Anglo-Saxon.—6 s.h. PROFESSOR BROWN

203-204. Chaucer.—6 s.h. PROFESSOR BAUM

207-208. English Literature, 1400-1550.—6 s.h. PROFESSOR BAUM
[Not offered in 1941-42]

209-210. English Literature other than Drama, 1625-1700.—6 s.h.
ASSISTANT PROFESSOR WARD

211-212. English Literature other than Drama, 1550-1625.—6 s.h.
[Not offered in 1941-42] ASSISTANT PROFESSOR ALLEN

213-214. Folk-Lore and Folk-Songs.—6 s.h. PROFESSOR BROWN

215-216. Elizabethan Drama.—6 s.h. ASSISTANT PROFESSOR ALLEN

* Absent on leave, second semester, 1941-42.

217. Spenser.—3 s.h. ASSISTANT PROFESSOR ALLEN
218. Milton.—3 s.h. PROFESSOR GILBERT
- 219-220. English Literature of the Eighteenth Century.—6 s.h.
[Not offered in 1941-42; 349g-350g offered instead] PROFESSOR IRVING
- 227-228. Literary Criticism.—6 s.h. PROFESSOR GILBERT
[Only 227 offered in 1941-42]
- 229-230. American Literature, 1800-1870.—Seniors must have credit for English 137-138 or its equivalent. 6 s.h.
PROFESSOR HUBBELL
231. Special Studies in Emerson.—3 s.h. PROFESSOR GOHDES
- 233-234. American Literature since 1870.—6 s.h.
PROFESSOR GOHDES
- 239-240. Shakespeare Problems.—6 s.h. PROFESSOR BROWN
[Not offered in 1941-42]
- 269-270. Southern Literature and Culture.—6 s.h. PROFESSOR HUBBELL
[Only 269 offered in 1941-42]
- 303-304. Studies in Elizabethan Literature.—6 s.h. PROFESSOR GILBERT
[Only 303 offered in 1941-42]
- 307-308. Southern Literature and Culture in the United States.—6 s.h.
[Not offered in 1941-42] PROFESSOR HUBBELL
- 313-314. Studies in the Romantic Writers of the Early Nineteenth Century.—6 s.h. PROFESSOR WHITE
- 315-316. Middle English.—3 s.h. (1½ s.h. each term.) PROFESSOR BAUM
- 317-318. Studies in Victorian Literature.—6 s.h. PROFESSOR BAUM
[Only 317 offered in 1941-42; 349d-350d offered instead.]
- 349-350. Research Courses.—6 s.h.
Students who wish to elect one of these as a seminar course should consult the Director of Graduate Studies as early as possible.
In 1941-42 (d), (g), and (i) are offered.
- (a) Folk-Lore and the Ballad. PROFESSOR BROWN
- (b) Shakespeare Problems. PROFESSOR BROWN
- (c) English Language and Literature, 1200-1550. PROFESSOR BAUM
- (d) Victorian Literature. PROFESSOR BAUM
- (e) Elizabethan and Seventeenth-Century Literature. PROFESSOR GILBERT
- (f) Literary Criticism. PROFESSOR GILBERT
- (g) The Eighteenth Century. PROFESSOR IRVING
- (h) The Romantic Movement. PROFESSOR WHITE
- (i) American Literature. PROFESSORS HUBBELL AND GOHDES

RELATED COURSES IN OTHER DEPARTMENTS

The attention of students of English is directed to the following courses:

German 301-302. Gothic—Middle High German.—6 s.h.

PROFESSOR VOLLMER

Greek 201-202. Greek Tragedy.—6 s.h.

PROFESSOR PEPLER AND ASSISTANT PROFESSOR WAY

History 221-222. The Age of the Renaissance.—6 s.h.

[Not offered in 1941-42]

ASSOCIATE PROFESSOR NELSON

History 223-224. Medieval Institutions and Culture.—6 s.h.

[Not offered in 1941-42]

ASSISTANT PROFESSOR QUINN

Philosophy 201-202. The Philosophy of Art.—6 s.h. (E) PROFESSOR GILBERT

Philosophy 213-214. History of Aesthetics.—6 s.h. (E) PROFESSOR GILBERT

[Not offered in 1941-42]

Psychology 202. Psychology of Aesthetics.—3 s.h. PROFESSOR LUNDHOLM

[Not offered in 1941-42]

FORESTRY

PROFESSOR KORSTIAN, CHAIRMAN AND DIRECTOR OF GRADUATE STUDIES—FEW
QUADRANGLE, HOUSE GG-010; PROFESSORS BEAL, SCHUMACHER, AND WOLF;

ASSOCIATE PROFESSORS HARRAR, KRAMER, MAUGHAN, AND

THOMSON; ASSISTANT PROFESSOR COILE

FOR SENIORS AND GRADUATES

224. Forest Pathology.—Prerequisites: Botany 1 and 2, and Forestry 253-254, or equivalent. 4 s.h. PROFESSOR WOLF

231. Forest Entomology.—3 s.h.

PROFESSOR BEAL

251. Sampling Methods in Forestry.—Prerequisite: Forestry S151. 2 s.h.

PROFESSOR SCHUMACHER

252. Forest Mensuration.—Prerequisite: Forestry 251. 2 s.h.

PROFESSOR SCHUMACHER

253-254. Dendrology.—Prerequisite: one year of botany. 4 s.h.

ASSOCIATE PROFESSOR HARRAR

257. Design of Forestry Experiments and Analysis of Data.—5 s.h.

PROFESSOR SCHUMACHER

259. Wood Anatomy and Properties.—Prerequisites: One year of botany and Chemistry 1 and 2, or equivalents. 3 s.h.

ASSOCIATE PROFESSOR HARRAR

261. Forest Soils.—Prerequisites: Chemistry 1 and 2, and Physics 1, or equivalents; physical geology and analytical chemistry are also desirable. 3 s.h.

ASSISTANT PROFESSOR COILE

264. Silvics.—Desirable prerequisites: Plant physiology, plant ecology, and Forestry 253-254 and 261, or equivalents. 3 s.h. PROFESSOR KORSTIAN

276. Forest Policy.—2 s.h.

ASSOCIATE PROFESSOR THOMSON

279. Economics of Forestry.—Prerequisite: at least one course in the principles of economics. 3 s.h.

ASSOCIATE PROFESSOR THOMSON

FOR GRADUATES

323-324. **Advanced Forest Pathology.**—Prerequisites: plant physiology and forest pathology. Credits to be arranged. PROFESSOR WOLF

351-352. **Advanced Physiology of Forest Trees.**—Prerequisites: plant physiology and plant ecology or silvics. Credits to be arranged. ASSOCIATE PROFESSOR KRAMER

354. **Forest Soil Fertility.**—Prerequisites: Forestry 251 and 261, and plant physiology, or equivalents; bacteriology and analytical and organic chemistry are desirable. 3 s.h. ASSISTANT PROFESSOR COILE

356. **Economic Forces in Forestry.**—Prerequisites: Forestry 279 and 282, or equivalents; courses in economic theory are desirable. 2 s.h. ASSOCIATE PROFESSOR THOMSON

357-358. **Research in Forestry.**—Credits to be arranged.

a. **Silvics.**—Prerequisites: Forestry 253-254, 261, and 264, or equivalents. PROFESSOR KORSTIAN

b. **Forest Soils.**—Prerequisite: Forestry 261 or equivalent. ASSISTANT PROFESSOR COILE

d. **Forest Management.**—Prerequisite: Forestry 281 or equivalent. ASSOCIATE PROFESSOR MAUGHAN

e. **Forest Economics.**—Prerequisite: Forestry 279 or equivalent. ASSOCIATE PROFESSOR THOMSON

f. **Wood Anatomy and Properties.**—Prerequisites: Forestry 259 and 260, or equivalents. ASSOCIATE PROFESSOR HARRAR

g. **Forest Mensuration.**—Prerequisites: Forestry S151, 251, and 252, or equivalents. PROFESSOR SCHUMACHER

h. **Forest Entomology.**—Prerequisite: Forestry 231 or equivalent. PROFESSOR BEAL

GERMANIC LANGUAGES AND LITERATURE

PROFESSOR VOLLMER, CHAIRMAN AND DIRECTOR OF GRADUATE STUDIES—205 PAGE AUDITORIUM; PROFESSOR KRUMMEL

FOR SENIORS AND GRADUATES

201-202. **Goethe.**—6 s.h. PROFESSOR KRUMMEL

207-208. **German Romanticism.**—6 s.h. PROFESSOR VOLLMER

209-210. **Kleist, Grillparzer, and Hebbel.**—6 s.h. PROFESSOR KRUMMEL
[Not offered in 1941-42]

211-212. **Heinrich Heine and the Young German Movement.**—6 s.h. PROFESSOR VOLLMER
[Not offered in 1941-42]

213-214. **Literature of the Empire, 1871-1914.**—6 s.h. PROFESSOR VOLLMER

FOR GRADUATES

301-302. **Gothic—Middle High German.**—6 s.h. PROFESSOR VOLLMER

303-304. **German Seminar.** PROFESSORS VOLLMER AND KRUMMEL

RELATED COURSES IN OTHER DEPARTMENTS

- History 217-218. Europe since 1870.—6 s.h.** PROFESSOR CARROLL
 [Not offered in 1941-42]
- History 221-222. The Age of the Renaissance.—6 s.h.** ASSOCIATE PROFESSOR NELSON
 [Not offered in 1941-42]
- History 223-224. Medieval Institutions and Culture.—6 s.h.** ASSISTANT PROFESSOR QUINN
 [Not offered in 1941-42]
- History 225-226. The Age of the Reformation.—6 s.h.** ASSOCIATE PROFESSOR NELSON
 [Not offered in 1941-42]
- Philosophy 213-214. History of Aesthetics.—6 s.h. (E)** PROFESSOR GILBERT
 [Not offered in 1941-42]
- Philosophy 201-202. The Philosophy of Art.—6 s.h. (E)** PROFESSOR GILBERT
- Philosophy 223. Contemporary Philosophy.—*Second semester*. 3 s.h.** PROFESSOR WIDGERY
 [Not offered in 1941-42]
- Philosophy 244. Nietzsche and the Nineteenth Century.—3 s.h.** ASSOCIATE PROFESSOR MORGAN
 [Not offered in 1941-42]
- Sociology 320. History of Social Philosophy.—3 s.h.** PROFESSOR ELLWOOD

HISTORY

PROFESSOR LAPRADE, CHAIRMAN AND DIRECTOR OF GRADUATE STUDIES—2B WEST DUKE BUILDING; PROFESSORS CARROLL AND SYDNOR; ASSOCIATE PROFESSORS CLYDE, LANNING,* AND NELSON; ASSISTANT PROFESSORS MANCHESTER, QUINN,† STILL, AND WOODY

AMERICAN HISTORY

FOR SENIORS AND GRADUATES

- 209-210. Constitutional History of the United States, 1763-1860.—Pre-requisites: courses 91 and 92. 6 s.h.** ASSISTANT PROFESSOR STILL
 [Not offered in 1941-42]
- 215-216. History of the Foreign Relations of the United States.—6 s.h.** ASSOCIATE PROFESSOR CLYDE
- 230. The Portuguese Empire and the Rise of Brazil.—3 s.h.** ASSISTANT PROFESSOR MANCHESTER
- 231. The Hispanic Colonies of the New World.—3 s.h.** ASSOCIATE PROFESSOR LANNING
 [Not offered in 1941-42]
- 232. The Hispanic American Republics of the New World.—3 s.h.** ASSOCIATE PROFESSOR LANNING
 [Not offered in 1941-42]
- 233. The Cultural and Institutional History of Colonial Hispanic America.—3 s.h.** ASSOCIATE PROFESSOR LANNING
- 234. Political and Social Problems in the Hispanic American Republics.—3 s.h.** ASSOCIATE PROFESSOR LANNING
 [Not offered in 1941-42]
- 263-264. American Colonial History and the Revolution, 1606-1783.—6 s.h.** ASSISTANT PROFESSOR WOODY

* Absent on leave. second semester, 1941-42.

† Absent on leave, 1941-42.

265-266. The Westward Movement in the United States.—6 s.h.

ASSISTANT PROFESSOR STILL

FOR GRADUATES

304. The Union, Confederacy, and Reconstruction.—4 s.h.

ASSISTANT PROFESSOR WOODY

315. Seminar in Southern History.—2 s.h.

PROFESSOR SYDNOR

321. Seminar in the History of Spain and the Spanish-American Colonies.
2 s.h.

ASSOCIATE PROFESSOR LANNING

329. Historiography of the South.—4 s.h.

ASSISTANT PROFESSOR WOODY

[Not offered in 1941-42]

336. The South in Federal Politics, 1789-1860.—4 s.h.

PROFESSOR SYDNOR

337. Social and Economic Life of the Old South.—4 s.h.

[Not offered in 1941-42]

PROFESSOR SYDNOR

EUROPE AND THE FAR EAST

FOR SENIORS AND GRADUATES

217-218. Europe since 1870.—6 s.h.

PROFESSOR CARROLL

219-220. The History of the European Proletariat.—6 s.h.

[Not offered in 1941-42]

PROFESSOR CARROLL

221-222. The Age of the Renaissance.—6 s.h.

[Not offered in 1941-42]

ASSOCIATE PROFESSOR NELSON

223-224. Medieval Institutions and Culture.—6 s.h.

[Not offered in 1941-42]

ASSISTANT PROFESSOR QUINN

225-226. The Age of the Reformation.—6 s.h.

[Not offered in 1941-42]

ASSOCIATE PROFESSOR NELSON

241-242. Eastern Asia and the Pacific.—6 s.h.

[Not offered in 1941-42]

ASSOCIATE PROFESSOR CLYDE

FOR GRADUATES

305. Seminar in the History of England and the British Empire.—2 s.h.

PROFESSOR LAPRADE

317. Seminar in Recent European History.—2 s.h.

PROFESSOR CARROLL

325. British Nationality and Public Opinion.—4 s.h.

[Not offered in 1941-42]

PROFESSOR LAPRADE

327. Modern Phases of the English Constitution.—4 s.h.

PROFESSOR LAPRADE

343. Seminar in the History of American Foreign Relations and the Far
East.—2 s.h.

ASSOCIATE PROFESSOR CLYDE

HISTORIOGRAPHY AND THE TEACHING OF HISTORY

FOR SENIORS AND GRADUATES

211. The Teaching of History and the Social Studies.—3 s.h.

ASSISTANT PROFESSOR MANCHESTER

FOR GRADUATES

320. Historiography.—4 s.h.

ASSOCIATE PROFESSOR NELSON

RELATED COURSES IN OTHER DEPARTMENTS

Economics 231. Economic History of Modern Europe.—3 s.h.

PROFESSOR HAMILTON

Economics 232. Economic History of the United States.—3 s.h.

PROFESSOR HAMILTON

Economics 311-312. History of Political Economy.—6 s.h.

PROFESSOR HAMILTON

Economics 315. Economic Systems.—3 s.h.

PROFESSOR HOOVER

Economics 316. Economic Functions of the State.—3 s.h.

PROFESSOR HOOVER

Political Science 223. Political Thought to the Seventeenth Century.—
3 s.h.

PROFESSOR WILSON

Political Science 224.—Modern Political Theory.—3 s.h.

PROFESSOR WILSON

Religion 309. History of the Ancient Near East.—3 s.h.

ASSOCIATE PROFESSOR STINESPRING

Religion 393-394. Religious Thought in the Rise of American Culture.—
6 s.h.

PROFESSOR SMITH

Sociology 237. Indians of North America.—3 s.h.

ASSOCIATE PROFESSOR GILLIN

Sociology 238. Anthropology of South America.—3 s.h.

ASSOCIATE PROFESSOR GILLIN

Sociology 320. History of Social Philosophy.—3 s.h. PROFESSOR ELLWOOD

MATHEMATICS

PROFESSOR GERGEN, CHAIRMAN AND DIRECTOR OF GRADUATE STUDIES—03 GRAY;
PROFESSORS ELLIOTT, RANKIN, AND THOMAS; ASSOCIATE PROFESSORS
CARLITZ AND ROBERTS; DRS. BOAS AND DRESSEL

FOR SENIORS AND GRADUATES

201. History of Mathematics.—Prerequisite: differential calculus. 3 s.h.
PROFESSOR RANKIN

204. Teaching of Mathematics.—Must be preceded or accompanied by
integral calculus. 3 s.h.

PROFESSOR RANKIN

225. Theory of Equations.—Prerequisite: differential calculus. 3 s.h.

PROFESSOR THOMAS

227-228. Theory of Numbers.—Prerequisite: integral calculus. 6 s.h.

[Not offered in 1941-42]

ASSOCIATE PROFESSOR CARLITZ

229-230. Algebraic Numbers.—Prerequisite: Mathematics 225. 6 s.h.

[Not offered in 1941-42]

ASSOCIATE PROFESSOR CARLITZ

235-236. Modern Algebra.—Prerequisite: differential calculus. 6 s.h.

[Not offered in 1941-42]

- 255-256. **Projective Geometry.**—Prerequisite: differential calculus. 6 s.h.
[Not offered in 1941-42]
- 271-272. **Introductory Topology.**—Prerequisite: integral calculus. 6 s.h.
ASSOCIATE PROFESSOR ROBERTS
275. **Probability.**—Prerequisite: integral calculus. 3 s.h.
[Not offered in 1941-42]
281. **Elementary Potential Theory.**—Prerequisite: integral calculus. 3 s.h.
[Not offered in 1941-42]
282. **Differential Equations of Mathematical Physics.**—Prerequisite: integral calculus. 3 s.h.
[Not offered in 1941-42]
283. **Fourier Series and Spherical Harmonics.**—Prerequisite: integral calculus. 3 s.h.
DR. DRESSEL
284. **Vector Analysis.**—Prerequisite: integral calculus. 3 s.h.
PROFESSOR THOMAS
287. **Mathematical Logic.**—3 s.h.
[Not offered in 1941-42]
288. **Foundations of Mathematics.**—3 s.h.
[Not offered in 1941-42]
- 291-292. **Theory of Functions.**—Prerequisite: second course in calculus. 6 s.h.
PROFESSOR GERGEN

FOR GRADUATES

- 325-326. **Real Variable.**—Prerequisite: Mathematics 291-292. 6 s.h.
[Not offered in 1941-42]
- 331-332. **Complex Variable.**—Prerequisite: Mathematics 291-292. 6 s.h.
[Not offered in 1941-42]
- 333-334. **Analytic Theory of Numbers.**—Prerequisite: Mathematics 291-292. 6 s.h.
ASSOCIATE PROFESSOR CARLITZ
- 337-338. **Existence Theorems.**—Prerequisite: Mathematics 291-292. 6 s.h.
[Not offered in 1941-42] PROFESSOR THOMAS
- 341-342. **Integral Equations.**—Prerequisites: elementary differential equations and second course in calculus. 6 s.h.
[Not offered in 1941-42] PROFESSOR ELLIOTT
- 343-344. **Ordinary Differential Equations.**—Prerequisite: Mathematics 291-292. 6 s.h.
[Not offered in 1941-42] PROFESSOR THOMAS
- 353-354. **Trigonometric Series.**—Prerequisite: Mathematics 325-326. 6 s.h.
DR. BOAS
- 371-372. **Advanced Topology.**—Prerequisite: Mathematics 271-272. 6 s.h.
[Not offered in 1941-42] ASSOCIATE PROFESSOR ROBERTS
382. **Potential Theory.**—Prerequisites: Mathematics 281 and 325-326. 3 s.h.
[Not offered in 1941-42]

PHILOSOPHY

PROFESSOR WIDGERY, CHAIRMAN AND DIRECTOR OF GRADUATE STUDIES—303 SCHOOL OF RELIGION ; PROFESSORS GILBERT AND SMITH ; ASSOCIATE PROFESSOR MORGAN ; ASSOCIATE PROFESSOR LEONARD ; AND DR. McLARTY

* Courses normally given in alternate years, of which those marked † are offered in 1941-42.

FOR SENIORS AND GRADUATES

- 201-202. †The Philosophy of Art.—6 s.h. PROFESSOR GILBERT
203. The Philosophy of Conduct.—3 s.h. ASSOCIATE PROFESSOR MORGAN
204. Christian Ethics.—3 s.h. PROFESSOR SMITH
205. *The Philosophy of History.—3 s.h. PROFESSOR WIDGERY
208. Political Philosophy.—3 s.h. ASSOCIATE PROFESSOR MORGAN
- 209-210. †The Philosophy of Religion.—6 s.h. PROFESSOR WIDGERY
211. Philosophy of Civilization.—3 s.h. ASSOCIATE PROFESSOR MORGAN
- 213-214. *History of Aesthetics.—6 s.h. PROFESSOR GILBERT
217. *The Philosophy of Aristotle.—Prerequisite: 105. 3 s.h.
DR. McLARTY
223. *Contemporary Philosophy.—3 s.h. PROFESSOR WIDGERY
226. †The History of Ethics.—3 s.h. ASSOCIATE PROFESSOR MORGAN
- 231-232. Philosophy of Science.—6 s.h. ASSOCIATE PROFESSOR LEONARD
236. †Oriental Philosophy I. Chinese Philosophy.—3 s.h.
ACTING PROFESSOR DUBS
238. *Oriental Philosophy II. Indian Philosophy.—3 s.h.
PROFESSOR WIDGERY
241. †Logic.—3 s.h. ASSOCIATE PROFESSOR LEONARD
242. †Scientific Methodology.—3 s.h. ASSOCIATE PROFESSOR LEONARD
244. *Nietzsche and the Nineteenth Century.—3 s.h.
ASSOCIATE PROFESSOR MORGAN
- 245-246. *Philosophical Foundations of Religious Belief.—6 s.h.
ACTING PROFESSOR DUBBS
248. *Philosophy of Values.—2 s.h. ACTING PROFESSOR DUBS

FOR GRADUATES

- 301-302. Seminar in Philosophy.—4 s.h. PROFESSOR WIDGERY
305. †Seminar: Spinoza.—3 s.h. PROFESSOR GILBERT
307. †Seminar: Kant.—2 s.h. ASSOCIATE PROFESSOR MORGAN
308. *Seminar: Hegel.—3 s.h. PROFESSOR GILBERT
310. †Seminar: Logical Positivism and Its Relation to Contemporary Movements in Philosophy and Science.—2 s.h.
ASSOCIATE PROFESSOR LEONARD

315. †Seminar: Leibnitz.—2 s.h.

ACTING PROFESSOR DUBS

319-320. Religious Thought in the Rise of American Culture.—Prerequisite: Religious Education 261 or its equivalent. 6 s.h. Religion 393-394.

PROFESSOR SMITH

322. *Seminar in Philosophy of Religious Education.—Prerequisite: Religious Education 261 or its equivalent. 3 s.h. Religion 366. PROFESSOR SMITH

323. †Seminar in American Religious Thought.—2 s.h. Religion 397.

PROFESSOR SMITH

325. *Seminar: Locke, Berkeley, Hume.—2 s.h.

ASSOCIATE PROFESSOR LEONARD

326. Seminar: Christian Ethics.—Selected problems. 2 s.h. Religion 398.

PROFESSOR SMITH

RELATED COURSES IN OTHER DEPARTMENTS

Education 200. Introduction to the Philosophy of Education.—3 s.h.

[Not offered in 1941-42]

PROFESSOR HOLTON

Greek 209-210. Plato.—6 s.h.

ASSISTANT PROFESSOR WAY

History 221-222. The Age of the Renaissance.—6 s.h.

[Not offered in 1941-42]

ASSOCIATE PROFESSOR NELSON

Mathematics 287. Mathematical Logic.—3 s.h.

[Not offered in 1941-42]

ASSOCIATE PROFESSOR CARLITZ

Mathematics 288. Foundations of Mathematics.—3 s.h.

[Not offered in 1941-42]

ASSOCIATE PROFESSOR CARLITZ

Physics 213-214. Contemporary Physics.—6 s.h.

ASSISTANT PROFESSOR CONSTANT

Political Science 223. Political Thought to the Seventeenth Century.—3 s.h.

PROFESSOR WILSON

Political Science 224. Modern Political Theory.—3 s.h.

PROFESSOR WILSON

Psychology 228. Psychology of Belief.—2 s.h.

PROFESSOR LUNDHOLM

Psychology of Religion 377-378. Seminar: Theories of Self.—4 s.h.

PROFESSOR HICKMAN

Religion 221. Platonism and Christianity.—3 s.h.

ASSISTANT PROFESSOR OUTLER

Religion 222. Theology and Philosophy in the Nineteenth Century.—3 s.h.

ASSISTANT PROFESSOR OUTLER

Sociology 320. History of Social Philosophy.—3 s.h. PROFESSOR ELLWOOD

Zoology 341. Historical and Philosophical Biology.—2 s.h.

[Not offered in 1941-42]

PROFESSOR HARGITT

PHYSICS

PROFESSOR NIELSEN,* CHAIRMAN AND DIRECTOR OF GRADUATE STUDIES—101 PHYSICS BUILDING; PROFESSORS EDWARDS, HATLEY, NORDHEIM, AND SPONER; ASSISTANT PROFESSORS CONSTANT AND MOUZON;* DRS. BONNER AND HEBB

FOR SENIORS AND GRADUATES

211. History of Physics.—2 s.h. PROFESSOR EDWARDS
- 213-214. Contemporary Physics.—6 s.h. ASSISTANT PROFESSOR CONSTANT
- 215-216. Atomic Physics Laboratory.—2-4 s.h.
PROFESSOR NIELSEN AND ASSISTANT PROFESSOR MOUZON
- 217-218. Advanced General Physics Laboratory.—2 s.h.
PROFESSOR NIELSEN AND ASSISTANT PROFESSOR MOUZON
219. Vacuum Tubes and Their Application.—3 s.h.
ASSISTANT PROFESSOR MOUZON
- 221-222. Introduction to Theoretical Physics.—8 s.h.
ASSISTANT PROFESSOR CONSTANT

FOR GRADUATES

303. Thermodynamics.—3 s.h. PROFESSORS GROSS AND SPONER
[Not offered in 1941-42]
305. Kinetic Theory of Matter.—3 s.h. PROFESSOR SPONER
307. Advanced Dynamics.—3 s.h. DR. HEBB
308. Theory of Electricity and Magnetism.—3 s.h. PROFESSOR NORDHEIM
311. Conduction of Electricity through Gases.—3 s.h. PROFESSOR EDWARDS
- 315-316. Principles of Quantum Theory.—6 s.h. PROFESSOR NORDHEIM
319. Electrodynamics.—3 s.h. PROFESSOR NORDHEIM
[Not offered in 1941-42]
320. Theory of Electrons.—3 s.h. PROFESSOR NORDHEIM
[Not offered in 1941-42]
323. Theory of Atomic Spectra.—3 s.h. PROFESSOR SPONER
[Not offered in 1941-42]
324. Theory of Molecular Spectra.—3 s.h. PROFESSOR SPONER
[Not offered in 1941-42]
340. Structure of Matter.—3 s.h. PROFESSOR SPONER
341. Advanced Topics in Quantum Theory.—Prerequisite: Physics 315-316. 3 s.h. PROFESSOR NORDHEIM
[Not offered in 1941-42]
- 343-344. Radioactivity and Nuclear Structure.—6 s.h. PROFESSOR NIELSEN
- 351-352. Seminar.—2 s.h. STAFF
- 353-354. Thesis Seminar.—6 s.h. STAFF

* Absent on National Defense leave, 1941-42.

RELATED COURSES IN OTHER DEPARTMENTS

CHEMISTRY

261-262. Physical Chemistry.—6 s.h.

PROFESSOR GROSS, ASSISTANT PROFESSOR SAYLOR, AND DR. HOBBS

363-364. Advanced Physical Chemistry.—6 s.h.

PROFESSORS GROSS AND VOSBURGH, ASSISTANT PROFESSORS
HILL AND SAYLOR, DR. HOBBS

365-366. Chemical Physics. Statistical Theory, Principles, and Applications.—6 s.h.

PROFESSOR LONDON

[Not offered in 1941-42]

367-368. Chemical Physics. Theoretical Aspects of Atomic and Molecular Structure.—6 s.h.

PROFESSOR LONDON

ELECTRICAL ENGINEERING

261. Communication Engineering, Audio Frequency.—3 s.h.

PROFESSOR SEELEY

262. Communication Engineering, Radio Frequency.—Prerequisite: Course 261. 4 s.h.

PROFESSOR SEELEY

MATHEMATICS

281. Elementary Potential Theory.—3 s.h.

[Not offered in 1941-42]

282. Differential Equations of Mathematical Physics.—3 s.h.

[Not offered in 1941-42]

283. Fourier Series and Spherical Harmonics.—3 s.h.

DR. DRESSEL

284. Vector Analysis.—3 s.h.

PROFESSOR THOMAS

POLITICAL SCIENCE

PROFESSOR WILSON, CHAIRMAN AND DIRECTOR OF GRADUATE STUDIES—311 LIBRARY;
PROFESSORS RANKIN AND VON BECKERATH; ASSOCIATE PROFESSORS COLE AND
SHIPMAN; ASSISTANT PROFESSOR LINEBARGER

FOR SENIORS AND GRADUATES

207. American Constitutional Law and Theory.—3 s.h.

PROFESSOR WILSON

209. State and Local Government in the United States.—3 s.h.

PROFESSOR RANKIN

211. Political Institutions of the Far East.—3 s.h.

ASSISTANT PROFESSOR LINEBARGER

212. International Politics of the Far East.—3 s.h.

ASSISTANT PROFESSOR LINEBARGER

223. Political Thought to the Seventeenth Century.—3 s.h.

PROFESSOR WILSON

224. Modern Political Theory.—3 s.h.

PROFESSOR WILSON

225-226. Comparative Government.—6 s.h.

ASSOCIATE PROFESSOR COLF

227-228. International Law.—6 s.h.

PROFESSOR WILSON

229. Recent and Contemporary Political Theory.—3 s.h.
[Not offered in 1941-42] ASSOCIATE PROFESSOR COLE
230. American Political Institutions.—3 s.h. PROFESSOR RANKIN
- 241-242. The Administrative Process.—6 s.h.
ASSOCIATE PROFESSOR SHIPMAN
244. Administrative Law.—3 s.h. ASSOCIATE PROFESSOR SHIPMAN
246. Legislation.—3 s.h. ASSOCIATE PROFESSOR SHIPMAN
[Not offered in 1941-42]
271. Socio-Politics and Capitalism.—3 s.h. PROFESSOR VON BECKERATH
291. Municipal Government.—3 s.h. PROFESSOR RANKIN
292. Municipal Administration.—3 s.h. PROFESSOR RANKIN

FOR GRADUATES

310. Seminar in State Government.—3 s.h. PROFESSOR RANKIN
[Not offered in 1941-42]
311. Seminar in Far Eastern Politics.—3 s.h.
ASSISTANT PROFESSOR LINEBARGER
325. Seminar in Comparative Government.—3 s.h.
ASSOCIATE PROFESSOR COLE
328. Seminar in International Law.—3 s.h. PROFESSOR WILSON
[Not offered in 1941-42]
341. Seminar in Public Administration.—3 s.h.
ASSOCIATE PROFESSOR SHIPMAN

RELATED COURSES IN OTHER DEPARTMENTS

- Economics 233. State and Local Finance.—3 s.h.
ASSOCIATE PROFESSOR RATCHFORD
- Economics 237-238. Statistical Methods.—6 s.h.
ASSISTANT PROFESSOR SPRINGER
- Economics 265. International Trade and Tariff Policies.—3 s.h.
PROFESSOR VON BECKERATH
- Economics 266. International Finance.—3 s.h. PROFESSOR HAMILTON
[Not offered in 1941-42]
- Economics 316. Economic Functions of the State.—3 s.h.
PROFESSOR HOOVER
- History 215-216. History of the Foreign Relations of the United States.—
6 s.h. ASSOCIATE PROFESSOR CLYDE
- History 217-218. Europe since 1870.—6 s.h. PROFESSOR CARROLL
- History 234. Political and Social Problems in the Hispanic American
Republics.—3 s.h. ASSOCIATE PROFESSOR LANNING
[Not offered in 1941-42]
- Philosophy 208. Political Philosophy.—3 s.h.
ASSOCIATE PROFESSOR MORGAN
- Sociology 213. Constructive Social Policies.—2 s.h. PROFESSOR JENSEN
[Not offered in 1941-42]

PSYCHOLOGY

PROFESSOR LUNDHOLM, CHAIRMAN—3C WEST DUKE BUILDING; ASSOCIATE PROFESSOR ADAMS, DIRECTOR OF GRADUATE STUDIES—216 SCIENCE BUILDING;
PROFESSOR RHINE; ASSOCIATE PROFESSOR ZENER;
ASSISTANT PROFESSOR KEMP

FOR SENIORS AND GRADUATES

- | | |
|---|---------------------------|
| 202. Psychology of Aesthetics.—3 s.h.
[Not offered in 1941-42] | PROFESSOR LUNDHOLM |
| 206. Social Psychology.—3 s.h. | ASSOCIATE PROFESSOR ADAMS |
| 207. Psychology of Memory, Thinking, Perceiving.—3 s.h.
[Not offered in 1941-42] | ASSOCIATE PROFESSOR ZENER |
| 209. Experimental Methods in Human Psychology.—4 s.h. | ASSOCIATE PROFESSOR ZENER |
| 211. Physiological Psychology.—3 s.h. | ASSISTANT PROFESSOR KEMP |
| 215. Developmental Psychology.—3 s.h. | ASSOCIATE PROFESSOR ADAMS |
| 223. Abnormal Psychology.—3 s.h. | PROFESSOR LUNDHOLM |
| 226. Contemporary Schools of Psychology.—3 s.h.
[Not offered in 1941-42] | ASSOCIATE PROFESSOR ZENER |
| 228. Psychology of Belief.—2 s.h. | PROFESSOR LUNDHOLM |

FOR GRADUATES

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|---|---|
| 302. Seminar.—3 s.h.
[Not offered in 1941-42] | PROFESSOR LUNDHOLM |
| 303-304. Research.—2 or 3 s.h. | PROFESSORS LUNDHOLM AND RHINE; ASSOCIATE PROFESSORS ADAMS AND ZENER |
| 306. Seminar in Child Psychology.—2 or 3 s.h. | ASSOCIATE PROFESSOR ADAMS |
| 307. Seminar in Psychology of Personality.—3 s.h. | PROFESSOR RHINE |
| 309. Theory of Learning.—3 s.h.
[Not offered in 1941-42] | ASSOCIATE PROFESSOR ADAMS |
| 310. Seminar: Selected Problems in the Dynamics of Behavior.—3 s.h. | ASSOCIATE PROFESSOR ZENER |
| 313. Seminar in Parapsychology.—3 s.h.
[Not offered in 1941-42] | PROFESSOR RHINE |

RELIGION

PROFESSOR SMITH, CHAIRMAN AND DIRECTOR OF GRADUATE STUDIES—304 SCHOOL OF RELIGION; PROFESSORS BRANSCOMB, DUBS, GARBER, AND RUSSELL; ASSOCIATE PROFESSOR STINESPRING; ASSISTANT PROFESSORS CLARK, OUTLER, AND PETRY

FIELD I. BIBLICAL STUDIES

- | | |
|---|---------------------------------|
| 201-202. First Hebrew.—6 s.h. | ASSOCIATE PROFESSOR STINESPRING |
| 301. Old Testament Theology.—Prerequisite: Old Testament 203-204.
3 s.h. | PROFESSOR RUSSELL |

304. Aramaic.—3 s.h. ASSOCIATE PROFESSOR STINESPRING
- 305-306. Arabic.—6 s.h. ASSOCIATE PROFESSOR STINESPRING
[Not offered in 1941-42]
- 307-308. Second Hebrew.—6 s.h. ASSOCIATE PROFESSOR STINESPRING
309. History of the Ancient Near East.—3 s.h. ASSOCIATE PROFESSOR STINESPRING
310. Old Testament Prophecy.—3 s.h. ASSOCIATE PROFESSOR STINESPRING
[Not offered in 1941-42]
218. Galatians and I Corinthians.—3 s.h. ASSISTANT PROFESSOR CLARK
220. I Peter and the Gospel of John.—3 s.h. ASSISTANT PROFESSOR CLARK
311. The Life and Teachings of Jesus.—Prerequisite: New Testament
213-214. 3 s.h. PROFESSOR BRANSCOMB
312. New Testament Theology.—Prerequisite: New Testament 213-214.
3 s.h. PROFESSOR RUSSELL
313. The Apostolic Fathers.—3 s.h. ASSISTANT PROFESSOR CLARK
314. Early Christian Apologists.—3 s.h. PROFESSOR BRANSCOMB
315. Hellenistic Religions at the Beginning of the Christian Era.—3 s.h.
ASSISTANT PROFESSOR CLARK
316. Judaism at the Beginning of the Christian Era.—3 s.h.
PROFESSOR BRANSCOMB
318. Text of New Testament.—3 s.h. ASSISTANT PROFESSOR CLARK

FIELD II. STUDIES IN CHURCH HISTORY

331. The Social Message of the Early and Medieval Church.—Prerequisite:
Church History 233-234. 3 s.h. ASSISTANT PROFESSOR PETRY
[Not offered in 1941-42]
332. The Medieval Church.—Prerequisite: Church History 233-234. 3 s.h.
ASSISTANT PROFESSOR PETRY
333. The Church in Europe since 1800.—Prerequisite: Church History 233-
234. 3 s.h. PROFESSOR GARBER
334. A History of Christian Renunciation in the Middle Ages.—Prereq-
uisite: Church History 233-234. 3 s.h. ASSISTANT PROFESSOR PETRY
- 335-336. The Church in America.—Prerequisite: Church History 233-234.
6 s.h. PROFESSOR GARBER
337. Religion in the Southern States since the Civil War.—Prerequisite:
Church History 233-234. 3 s.h. PROFESSOR GARBER
[Not offered in 1941-42]
339. Seminar on Frontier Religion.—Prerequisite: Church History 233-
234. 2 s.h. PROFESSOR GARBER

FIELD III. STUDIES IN CHRISTIAN THEOLOGY AND ETHICS

221. Platonism and Christianity.—Prerequisite: six semester-hours in
philosophy or its equivalent. 3 s.h. ASSISTANT PROFESSOR OUTLEF

222. Theology and Philosophy in the Nineteenth Century.—3 s.h.
ASSISTANT PROFESSOR OUTLER
291. Christian Ethics.—3 s.h. PROFESSOR SMITH
295. Philosophical Foundations of Religious Belief I.—3 s.h.
[Not offered in 1941-42] ACTING PROFESSOR DUBS
296. Philosophical Foundations of Religious Belief II.—3 s.h.
[Not offered in 1941-42] ACTING PROFESSOR DUBS
323. The Christian Conception of the Church.—Prerequisite: Christian Doctrine 321. 3 s.h. ASSISTANT PROFESSOR OUTLER
329. Seminar in Historical Theology.—2 s.h.
ASSISTANT PROFESSOR OUTLER
366. Seminar in Philosophy of Religious Education.—2 s.h.
PROFESSOR SMITH
- 393-394. Religious Thought in the Rise of American Culture.—6 s.h.
PROFESSOR SMITH
397. Seminar in American Religious Thought.—2 s.h. PROFESSOR SMITH
398. Seminar in Christian Ethics.—2 s.h. PROFESSOR SMITH

ROMANCE LANGUAGES

PROFESSOR WEBB, CHAIRMAN—107 GRAY BUILDING; PROFESSOR JORDAN, DIRECTOR OF GRADUATE STUDIES—106 GRAY BUILDING; PROFESSOR COWPER; ASSOCIATE PROFESSORS LUNDEBERG* AND WALTON; ASSISTANT PROFESSOR REID

FRENCH

FOR SENIORS AND GRADUATES

213. French Classicism.—3 s.h. ASSOCIATE PROFESSOR WALTON
214. French Classicism.—3 s.h. ASSOCIATE PROFESSOR WALTON
- 215-216. The Modern French Novel.—6 s.h. PROFESSOR JORDAN
217. French Phonetics.—3 s.h. PROFESSOR WEBB
218. Materials and Methods.—3 s.h. PROFESSOR WEBB
219. Old French.—3 s.h. PROFESSOR COWPER
220. Old French.—3 s.h. PROFESSOR COWPER
227. French Poetry since Théophile Gautier.—3 s.h.
[Not offered in 1941-42] ASSOCIATE PROFESSOR WALTON
232. Rousseau and the Beginnings of Romanticism.—3 s.h.
[Not offered in 1941-42] PROFESSOR COWPER
233. Main Currents of Modern French Literature.—3 s.h.
[Not offered in 1941-42] PROFESSOR WEBB

FOR GRADUATES

317. History of the French Language.—3 s.h.
[Not offered in 1941-42] PROFESSOR COWPER

* Absent on leave, second semester, 1941-42.

323. Realism and Naturalism.—3 s.h. PROFESSOR JORDAN
- 325-326. French Literature in the Sixteenth Century.—6 s.h.
[Not offered in 1941-42] ASSOCIATE PROFESSOR WALTON
328. Anatole France.—3 s.h. ASSOCIATE PROFESSOR WALTON
[Not offered in 1941-42]
329. History of French Civilization.—2 s.h. PROFESSOR WEBB
[Not offered in 1941-42]
331. Diderot and the Encyclopédie.—3 s.h. PROFESSOR COWPER
[Not offered in 1941-42]
- 333-334. Contemporary French Literature.—6 s.h. PROFESSOR JORDAN
[Not offered in 1941-42]
350. Nineteenth-Century French Criticism.—3 s.h. PROFESSOR JORDAN

SPANISH

FOR SENIORS AND GRADUATES

253. Spanish Phonetics.—3 s.h. ASSOCIATE PROFESSOR LUNDEBERG
260. Advanced Syntax and Composition.—3 s.h. ASSISTANT PROFESSOR REID
- 261-262. The Modern Spanish Novel.—6 s.h.
[Not offered in 1941-42] ASSOCIATE PROFESSOR LUNDEBERG
265. Golden Age Literature: Cervantes.—3 s.h. ASSOCIATE PROFESSOR LUNDEBERG
266. Golden Age Literature: The Don Juan Theme.—3 s.h. ASSOCIATE PROFESSOR LUNDEBERG

SOCIOLOGY

PROFESSOR ELLWOOD, CHAIRMAN AND DIRECTOR OF GRADUATE STUDIES—303 GRAY
BUILDING; PROFESSORS GROVES, HART, AND JENSEN; ASSOCIATE
PROFESSORS GILLIN AND THOMPSON

205. Social Pathology.—Prerequisite: course 91-92 or 101. 3 s.h.
PROFESSOR JENSEN
206. Criminology.—Prerequisite: course 91-92 or 101. 3 s.h.
PROFESSOR JENSEN
212. Child Welfare.—Prerequisite: course 91-92 or 101. 3 s.h.
[Not offered in 1941-42] PROFESSOR JENSEN
213. Constructive Social Policies.—2 s.h. PROFESSOR JENSEN
[Not offered in 1941-42]
217. Race and Culture.—Prerequisite: course 91-92 or 101. 3 s.h.
ASSOCIATE PROFESSOR THOMPSON
219. Urban Sociology.—Prerequisite: course 91-92 or 101. 3 s.h.
ASSOCIATE PROFESSOR THOMPSON
220. Rural Sociology.—Prerequisite: course 91-92 or 101. 3 s.h.
ASSOCIATE PROFESSOR THOMPSON

227. Emigration and Immigration.—Prerequisite: course 91-92 or 101.
 3 s.h. PROFESSOR JENSEN
 [Not offered in 1941-42]
231. General Anthropology.—3 s.h. ASSOCIATE PROFESSOR GILLIN
232. Cultural Anthropology.—Prerequisite: course 91-92, 101, or 231. 3 s.h.
 ASSOCIATE PROFESSOR GILLIN
234. Social Ethics.—3 s.h. PROFESSOR HART
237. Indians of North America.—Prerequisite: course 231. 3 s.h.
 ASSOCIATE PROFESSOR GILLIN
238. Anthropology of South America.—Prerequisite: course 231. 3 s.h.
 ASSOCIATE PROFESSOR GILLIN
252. Education and Social Control.—Prerequisite: course 91-92 or 101.
 2 s.h. PROFESSOR ELLWOOD
281. Public Opinion.—3 s.h. PROFESSOR JENSEN
 [Not offered in 1941-42]

FOR GRADUATES

317. Seminar in Anthropology.—1 to 3 s.h. ASSOCIATE PROFESSOR GILLIN
319. Principles of Sociology.—3 s.h. PROFESSOR ELLWOOD
320. History of Social Philosophy.—3 s.h. PROFESSOR ELLWOOD
322. Methods of Social Research.—3 s.h. PROFESSOR JENSEN
330. Seminar.—1 s.h. PROFESSORS ELLWOOD, HART, AND JENSEN ;
 ASSOCIATE PROFESSOR THOMPSON
340. Seminar.—3 s.h. ASSOCIATE PROFESSOR THOMPSON
342. Seminar in Marriage and the Family.—2-4 s.h. PROFESSOR GROVES
350. Seminar in Applied Sociology.—1 to 3 s.h. PROFESSOR JENSEN
351. Seminar in Medical Sociology.—2 s.h.
352. Seminar in Family Law.—2 s.h. PROFESSOR BRADWAY

RELATED COURSES IN OTHER DEPARTMENTS

- Economics 217. Population Problems and Resources.—3 s.h.
 PROFESSOR SPENGLER
- Economics 315. Economic Systems.—3 s.h. PROFESSOR HOOVER
- Economics 316. Economic Functions of the State.—3 s.h.
 PROFESSOR HOOVER
- Philosophy 205. Philosophy of History.—3 s.h. PROFESSOR WIDGERY
 [Not offered in 1941-42]
- Political Science 223. Political Thought to the Seventeenth Century.—
 3 s.h. PROFESSOR WILSON
- Political Science 224. Modern Political Theory.—3 s.h. PROFESSOR WILSON
- Psychology 206. Social Psychology.—3 s.h. ASSOCIATE PROFESSOR ADAMS

ZOOLOGY

ASSOCIATE PROFESSOR GRAY, CHAIRMAN—218 BIOLOGY BUILDING; PROFESSOR HARGITT, DIRECTOR OF GRADUATE STUDIES—326 BIOLOGY BUILDING; PROFESSORS CUNNINGHAM,* HALL, AND PEARSE; ASSISTANT PROFESSOR BOOKHOUT

FOR SENIORS AND GRADUATES

204. **Advanced Parasitology.**—Prerequisite: Zoology 161. 3 or 4 s.h.
[Not offered in 1941-42] PROFESSOR PEARSE
222. **Entomology.**—Prerequisite: one year of zoology. 4 s.h.
ASSOCIATE PROFESSOR GRAY
224. **Vertebrate Zoology.**—Prerequisite: Zoology 53. 4 s.h.
[Not offered in 1941-42] ASSOCIATE PROFESSOR GRAY
229. **Endocrinology.**—Prerequisites: Zoology 53, 92. 3 or 4 s.h.
PROFESSOR CUNNINGHAM
274. **Invertebrate Zoology.**—Prerequisites: Zoology 1 and 2. 4 s.h.
ASSISTANT PROFESSOR BOOKHOUT

FOR GRADUATES

303. **Ecology.**—4 s.h.
[Not offered in 1941-42] PROFESSOR PEARSE
306. **Advanced Ecology.**—Prerequisite: Zoology 303. 4 s.h.
[Not offered in 1941-42] PROFESSOR PEARSE
307. **Foundations of Zoology.**—2 s.h. PROFESSOR PEARSE
321. **General Physiology.**—4 s.h. PROFESSOR HALL
324. **Advanced Physiology.**—Prerequisite: Zoology 151 or 321. 4 s.h.
PROFESSOR HALL
327. **Experimental Embryology.**—Prerequisites: Zoology 92, 151 or 321.
3 s.h. PROFESSOR CUNNINGHAM
341. **Historical and Philosophical Zoology.**—2 s.h. PROFESSOR HARGITT
[Not offered in 1941-42]
343. **Cytology.**—Prerequisites: Zoology 53, 92, 156 or equivalents. 4 s.h.
PROFESSOR HARGITT
- 351-352. **Zoological Journal Club.**—Required of all graduate students who major in zoology. 2 s.h. STAFF
- 353-354. **Research.**—Students who have had proper training may carry on research under direction of members of the Staff, in the following fields:
- (a) **Embryology and Endocrinology.** PROFESSOR CUNNINGHAM
- (b) **Comparative and General Physiology.** PROFESSOR HALL
- (c) **Histology and Cytology.** PROFESSOR HARGITT
- (d) **Invertebrate Zoology.** ASSISTANT PROFESSOR BOOKHOUT
- (e) **Ecology, Parasitology, and Behavior.** PROFESSOR PEARSE

* Absent on leave, first semester, 1941-42.

- (f) Vertebrate Zoology and Entomology. ASSOCIATE PROFESSOR GRAY
Hours and credits to be arranged.
- 355-356. Seminar.—Hours and credits to be arranged.
- *(a) Embryology and Endocrinology. PROFESSOR CUNNINGHAM
- (b) Comparative and General Physiology. PROFESSOR HALL
- *(c) Histology and Cytology. PROFESSOR HARGITT
- *(d) Invertebrate Zoology. ASSISTANT PROFESSOR BOOKHOUT
- *(e) Ecology, Parasitology, and Behavior. PROFESSOR PEARSE
- (f) Vertebrate Zoology and Entomology. ASSOCIATE PROFESSOR GRAY

COURSES IN THE MEDICAL SCHOOL OPEN TO GRADUATE STUDENTS

PROFESSORS EADIE, PERLZWEIG, D. T. SMITH, AND SWETT; ASSOCIATE PROFESSORS
F. M. BERNHEIM, DANN, HETHERINGTON, MCCREA, MARTIN, AND TAYLOR;
ASSISTANT PROFESSORS M. L. C. BERNHEIM, CONANT, EVERETT,
HOLLINSHEAD, AND NEURATH; DRs. COOLIDGE
AND YOUNGSTROM

ANATOMY

M201. Gross Human Anatomy.—Hours and credits (maximum 8 s.h.) by arrangement. Prerequisites: adequate training in comparative anatomy and embryology. DR. SWETT AND STAFF

M202. Microscopic Anatomy.—Hours and credits (maximum 2 s.h.) by arrangement. Prerequisite: adequate training in histology or cytology. DR. HETHERINGTON AND STAFF

M203. Anatomy of the Nervous System.—Hours and credits (maximum 4 s.h.) by arrangement. Prerequisite: Anatomy M201. DR. HETHERINGTON

BACTERIOLOGY AND IMMUNOLOGY

M221. Bacteriology and Immunology.—Prerequisites: courses in general zoology, general botany, histology and comparative anatomy, general and organic chemistry. 4 s.h. DR. D. T. SMITH AND STAFF

M323. Advanced Bacteriology and Immunology.—8 s.h.
DR. D. T. SMITH AND STAFF

BIOCHEMISTRY

M241. General Biochemistry.—Prerequisites: general chemistry, organic chemistry, elementary, physical and analytical chemistry and at least one year of college biology. 6 s.h. DRs. PERLZWEIG AND TAYLOR, AND STAFF

M242. Biochemical Preparations.—Prerequisite: Biochemistry M241. 2 s.h.
DR. TAYLOR AND STAFF

M243-244. Physical Chemical and Colloid Chemical Principles of Biochemistry. DR. NEURATH

M341. Pathological Chemistry.—Prerequisites: Biochemistry M241 and Physiology M251-2. DRs. PERLZWEIG, TAYLOR, AND M. L. C. BERNHEIM

* Not offered in 1941-42.

M343. Immunochemistry.—2 s.h.

DRS. MARTIN AND NEURATH

M345. Biological Oxidations.—2 s.h.

DR. COOLIDGE AND STAFF

PHYSIOLOGY, PHARMACOLOGY, AND NUTRITION

M261-262. Human Physiology and Pharmacology.—Prerequisites: Anatomy M201 and Biochemistry M241 (or equivalents) and at least one year of college physics. Credits depending on work taken. (Maximum 8 s.h.)

DR. EADIE AND STAFF

M263. Physiology of Digestion, Metabolism, and Nutrition.—Prerequisite: Biochemistry M241. 2 s.h. DR. W. J. DANN, EADIE, AND F. M. BERNHEIM

M363-4. Advanced Seminar in Nutrition.—Prerequisites: Biochemistry M241 and Physiology M251 or equivalents. 4 s.h. DR. DANN

THE DIVINITY SCHOOL

1940-1941

ANNOUNCEMENTS FOR 1941-1942

CALENDAR

1941

- Sept. 19. Friday, 4:00 P.M.—First regular Faculty meeting.
Sept. 20. Saturday—Matriculation and registration of students
Sept. 22. Monday, 8:00 A.M.—Instruction begins.
Sept. 22. Monday, 11:30 A.M.—Formal opening exercises.
Oct. 6. Monday—Last day for submitting subjects for B.D. theses.
Oct. 9. Thursday—Fall retreat.
Nov. 20. Thursday—Thanksgiving Day: a holiday.
Dec. 11. Thursday—Duke University Day.
Dec. 20. Saturday, 1:00 P.M.—Christmas recess begins.

1942

- Jan. 5. Monday, 8:00 A.M.—Instruction is resumed.
Jan. 17. Saturday—Mid-year examinations begin.
Jan. 31. Saturday—Matriculation and registration for second semester.
Feb. 2. Monday—Second semester begins.
March 21. Saturday, 1:00 P.M.—Spring vacation begins.
March 30. Monday, 8:00 A.M.—Instruction is resumed.
May 15. Friday—Last day for submitting B.D. theses.
May 22. Friday—Final examinations begin.
June 6. Saturday—Commencement opens; Senior Class Day; Meeting of Board of Trustees.
June 7. Sunday—President's Address to Graduating Class; Commencement Sermon.
June 8. Monday—Commencement Address; Alumni-Alumnae Luncheon; Graduating Exercises; Lowering of the Flag by the Graduating Class.

GENERAL ADMINISTRATION

*FEW, WILLIAM PRESTON, A.B., A.M., Ph.D., Litt.D., Ed.D., L.H.D., LL.D.

President

**FLOWERS, ROBERT LEE, A.M., LL.D.

President

WANNAMAKER, WILLIAM HANE, A.B., A.M., Litt.D.

Vice-President

DWIRE, HENRY RUDOLPH, A.B., A.M.

Vice-President

BROWN, FRANK CLYDE, A.B., A.M., Ph.D.

Comptroller

COMMITTEE OF THE BOARD OF TRUSTEES ON THE DIVINITY SCHOOL

W. W. PEELE, T. M. GRANT, H. B. PORTER, N. E. EDGERTON

EDUCATIONAL ADMINISTRATION

GARBER, PAUL NEFF, A.B., A.M., Ph.D.

Dean of the Divinity School

RUSSELL, ELBERT, A.B., A.M., Ph.D., Litt.D.

Dean Emeritus of the Divinity School

* Died, October 16, 1940.

** Elected January 29, 1941.

THE DIVINITY SCHOOL OF DUKE UNIVERSITY

HISTORICAL STATEMENT

Trinity College was established by Christian men for the purpose of providing education for young men and women under distinctive Christian auspices. There has been no departure from this clearly defined aim. On the contrary, there has been ever increasing emphasis placed upon this feature of the work of the College, especially in the provision in the curriculum for a great variety of courses on the Bible and other religious subjects.

In the Indenture of Trust by which Duke University was created, James B. Duke, the founder, put first the training of preachers; and the University made it a special point to set up a Divinity School as the first new unit to be organized in the expanding institution. The work of the School began with the academic year 1926-27, though the formal opening exercises were not held until November 9, 1926.

The School has made rapid progress. It is a member of the American Association of Theological Schools and was included in the list of accredited theological schools approved by the Association in June, 1938.

The Duke University Divinity School retains the same close relationship which Trinity College always held to the Methodist Church, but members of all Christian denominations, equally with Methodists, are made to feel welcome in the School. The basis on which the work is conducted is not narrowly denominational but broadly catholic.

THE PURPOSE OF THE DIVINITY SCHOOL

Christian work has now expanded to the extent that it covers far more than the work of a preacher or minister. The Divinity School of Duke University purposes to offer training for those engaged in all types of Christian service. This includes missionaries, teachers of Bible and other religious subjects in the schools and colleges of the church, directors of religious education, and social workers. In the future it is planned to fit the courses more completely to the needs of these workers. Still it must be kept clear that the minister in charge of a church, who stands before the people to preach the Gospel of Christ, is the center and key to the whole problem of Christian work in the church. It is felt with strong conviction that the training of all Christian workers should be maintained on a high level. Consequently, the Divinity School is organized on a strictly graduate basis. It is sincerely hoped that the standard thus set may increasingly influence the type of men and women entering Christian work and may lead them to demand the best of themselves in the prosecution of the work of Christ among men.

RELATION OF THE DIVINITY SCHOOL TO DUKE UNIVERSITY

As one of the co-ordinate schools of Duke University, the Divinity School is in closest touch with the other schools, particularly with Trinity College and with the Graduate School of Arts and Sciences. Various privileges of Duke University are open to students of the Divinity School. Students in the School are expected to take part in the religious and social life of the University campus and to share in athletic interest and activities.

REQUIREMENTS FOR ADMISSION

Candidates for matriculation must be graduates of colleges of recognized standing. They will be admitted without examination on presentation of an official transcript of all college credits and such other credits as they may have secured. This applies to students coming from foreign countries as well as to students from institutions in the United States. They must satisfy the Faculty as to their Christian character and purpose. To this end a letter regarding a student's character and purpose from the pastor of his home church, a church official or some faculty member in the college where he did his undergraduate work, should be presented at the time of admission. Women will be admitted on the same conditions as men. Graduates from nonaccredited institutions may be admitted on probation.

PART-TIME SCHEDULES

Students who are not giving full time to their studies in the Divinity School may carry only limited schedules of class work.

REQUIREMENTS FOR GRADUATION

The requirements for the degree of Bachelor of Divinity are ninety semester hours, six semester hours of which shall be covered by the writing of an adequate thesis, either in a thesis seminar or under supervised thesis guidance. The course is planned to cover three years, of two semesters each. In no case will the degree of Bachelor of Divinity be conferred on a student until he has spent at least two full semesters in residence in the Divinity School, and has satisfactorily completed a minimum of twenty-four semester hours of work.

THESIS

A thesis is required of all candidates for the degree of Bachelor of Divinity. It shall be of such a character as shall evidence a knowledge of the methods of research and an ability to conduct independent investigations. It shall be written upon some topic in the major field of study. The candidate is responsible for the selection of a suitable subject, which

must be approved by the professor in charge of the major field and must be filed with the Dean of the Divinity School on or before October 5 of the academic year in which it is expected that the degree will be conferred. Following the submission and approval of the subject of the thesis no changes shall be permitted, except changes for the purpose of clarification or limitation of the subject. A student who does not complete his thesis within a period of three years from the date of the approval of his subject must secure a reapproval of the old subject or the approval of a new subject. The thesis shall be prepared under the supervision and guidance of the professor in charge of the major field. No student shall be allowed to write his thesis *in absentia* except with the approval of the Committee on Theses upon the recommendation of the professor in charge of the thesis. In all such cases regular reports as to the progress of the thesis must be made to the professor in charge, as often as he may deem wise.

The thesis shall be between one hundred and one hundred and twenty pages in length, inclusive of introduction, conclusion, appendices, and bibliography, except in unusual cases clearly recognized as such by the Committee on Theses in approving thesis subjects. The student, the director, and the Committee on Theses shall be responsible for the selection and approval of such subjects as can be treated satisfactorily within these limits.

The thesis shall be read by a committee of three members of the Faculty of the Divinity School, consisting of the professor under whose direction the thesis has been written and two other members appointed by the Dean, one of whom shall be of a department other than that in which the thesis is written. Each candidate shall be examined orally on his thesis by the committee appointed to read it, said examination not to exceed one hour in length. The thesis must be satisfactory to a majority of the members of the Committee of Examination, including the representative of the department in which the thesis was written.

A complete, typed copy of the thesis shall be in the hands of the professor under whom the thesis is written, for correction, by May 1, and three permanently bound typewritten copies shall be presented for examination not later than May 15 of the year in which it is expected the degree will be conferred. Theses submitted after May 15 shall not be considered as fulfilling the requirements for graduation in that academic year. In the case of extensive corrections of the thesis in the course of the examination, such retyping and rebinding of the thesis as the Committee of Examination may desire shall be required.

PRESEMINARY CURRICULUM

The Divinity School, in substantial agreement with the standards of the American Association of Theological Schools, recommends that prospective candidates for admission keep in mind the desirability of including the following in their undergraduate curriculum:

Two years' work in English literature and composition.

Two years in a foreign language.

One semester each in psychology, philosophy, and sociology (or economics).

One year in history.

An introduction to the natural sciences with adequate laboratory work (biology or one of the physical sciences).

Proficiency in public speaking.

REQUIREMENTS FOR THE DEGREE OF BACHELOR OF DIVINITY

GENERAL REQUIREMENTS

Ninety semester hours are required for graduation. Forty-five of these must be the following:

Old Testament	6 s.h.
New Testament	6 s.h.
Christian Doctrine	6 s.h.
Church History	6 s.h.
Homiletics	6 s.h.
History of Religion and Missions	6 s.h.
Religious Education	3 s.h.
Practical Theology	3 s.h.
Philosophy of Religion and Christian Ethics	3 s.h.
	<hr style="width: 10%; margin-left: auto; margin-right: 0;"/>
	45 s.h.

MAJORS AND THESES

Each student must select a major field in which he elects to write his thesis and in which he must take fifteen semester hours including the general requirement in that field. This choice must be made by the end of the Middle year. A student may take his major in any of the departments of the Divinity School. He may also take his major in English Bible. To major in that field, he must complete in addition to the required work in the Departments of Old Testament and New Testament six semester hours in the Department of Old Testament and six semester hours in the Department of New Testament, exclusive of language.

DISTRIBUTION OF COURSES BY YEARS

JUNIOR YEAR

Old Testament	6 s.h.
New Testament	6 s.h.
Church History	6 s.h.

The remaining twelve semester hours shall be chosen from the remaining required courses in the Departments of Practical Theology, Religious Education, History of Religion and Missions, but not more than six semester hours shall be taken in one department. Students desiring courses in Greek and Hebrew may secure a suitable rearrangement of the distribution of courses by years on approval of the Registration Committee.

12 s.h.

30 s.h.

MIDDLE YEAR

Christian Doctrine	6 s.h.
Homiletics	6 s.h.
Philosophy of Religion and Christian Ethics	3 s.h.

After all other required courses are completed, the remainder of the work of this year is elective, but not more than twelve semester hours shall be taken in one department.

15 s.h.

30 s.h.

SENIOR YEAR

In the Senior year the student must fulfill all general requirements not completed in the Junior and Middle years. The remainder of the work is elective.

30 s.h

TABLE OF REQUIRED COURSES

OLD TESTAMENT

203-204. Introduction to the Old Testament 6 s.h.

NEW TESTAMENT

213-214. The Beginnings of Christianity 6 s.h.

CHRISTIAN DOCTRINE

321. Introduction to Theology, *and* 3 s.h.

322. Introduction to the History of Christian Thought 3 s.h.

CHURCH HISTORY

233. Church History to the Reformation 3 s.h.

234. The History of the Evangelical Movement 3 s.h.

HOMILETICS

341-342. Theory and Practice of Preaching 6 s.h.

PRACTICAL THEOLOGY

351. Church Administration 3 s.h.

RELIGIOUS EDUCATION

262. The Educational Work of the Church 3 s.h.

PHILOSOPHY OF RELIGION AND CHRISTIAN ETHICS

291. Christian Ethics 3 s.h.

HISTORY OF RELIGION AND MISSIONS

281. Living Religions of the World 3 s.h.

282. Missionary Promotion 3 s.h.

COURSES OF INSTRUCTION*

OLD TESTAMENT

- 201-202. First Hebrew.—6 s.h. ASSOCIATE PROFESSOR STINESPRING
- 203-204. Introduction to the Old Testament.—6 s.h.
PROFESSOR RUSSELL AND ASSOCIATE PROFESSOR STINESPRING
301. Old Testament Theology.—Prerequisite: Old Testament 203-204. 3 s.h.
PROFESSOR RUSSELL
302. The Exegesis of Selected Books of the Old Testament.—Prerequisite: Old Testament 203-204. 3 s.h.
PROFESSOR RUSSELL
304. Aramaic—3 s.h. ASSOCIATE PROFESSOR STINESPRING
- 305-306. Elementary Arabic.—6 s.h. ASSOCIATE PROFESSOR STINESPRING
[Not offered in 1941-42]
- 307-308. Second Hebrew.—6 s.h. ASSOCIATE PROFESSOR STINESPRING
309. History of the Ancient Near East.—3 s.h.
ASSOCIATE PROFESSOR STINESPRING
310. Old Testament Prophecy.—3 s.h. ASSOCIATE PROFESSOR STINESPRING
[Not offered in 1941-42]
- 401-402. Thesis Seminar. DEPARTMENTAL STAFF

NEW TESTAMENT

- 211-212. Hellenistic Greek.—6 s.h. ASSISTANT PROFESSOR CLARK
- 213-214. The Beginnings of Christianity.—6 s.h. PROFESSOR BRANSCOMB
217. The New Testament in Greek.—Prerequisite: six semester-hours' study of the Greek language. 3 s.h.
PROFESSOR BRANSCOMB
218. Galatians and I Corinthians.—Prerequisite: New Testament 217 or its equivalent. 3 s.h.
ASSISTANT PROFESSOR CLARK
219. Life of Paul.—3 s.h. PROFESSOR MYERS
[Not offered in 1941-42]
220. I Peter and the Gospel of John.—Prerequisite: New Testament 217 or its equivalent. 3 s.h.
ASSISTANT PROFESSOR CLARK
[Not offered in 1941-42]
311. The Life and Teachings of Jesus.—Prerequisite: New Testament 213-214. 3 s.h.
ASSISTANT PROFESSOR CLARK
312. New Testament Theology.—Prerequisite: New Testament 213-214. 3 s.h.
PROFESSOR RUSSELL

* On recommendation of the professor in charge of the major field, courses offered in the Graduate School of Arts and Sciences other than those approved for credit in the Divinity School may be approved for credit in individual cases, provided no equivalent course is offered in the Divinity School; each case to be decided on its merits.

313. Apostolic Fathers.—3 s.h. ASSISTANT PROFESSOR CLARK
314. Early Christian Apologists.—3 s.h. PROFESSOR BRANSCOMB
315. Judaism at the Beginning of the Christian Era.—Prerequisite: New Testament 213-214. 3 s.h. PROFESSOR BRANSCOMB
316. Hellenistic Religions at the Beginning of the Christian Era.—Prerequisite: New Testament 213-214. 3 s.h. ASSISTANT PROFESSOR CLARK
318. Text of New Testament.—Prerequisite: New Testament 213-214 and a reading knowledge of Greek. 3 s.h. ASSISTANT PROFESSOR CLARK
- 411-412. Thesis Seminar. DEPARTMENTAL STAFF

CHRISTIAN DOCTRINE

221. Platonism and Christianity.—Prerequisite: six semester-hours in philosophy or its equivalent (Christian Doctrine 321). 3 s.h. ASSISTANT PROFESSOR OUTLER
222. Theology and Philosophy in the Nineteenth Century.—Prerequisite: six semester-hours in philosophy or its equivalent (Christian Doctrine 321). 3 s.h. ASSISTANT PROFESSOR OUTLER
321. Introduction to Theology.—3 s.h. PROFESSOR ROWE
322. Introduction to the History of Christian Thought.—3 s.h. ASSISTANT PROFESSOR OUTLER
323. The Christian Conception of the Church.—Prerequisite: Christian Doctrine 321. 3 s.h. ASSISTANT PROFESSOR OUTLER
324. The Content of Christian Doctrine.—Prerequisite: Christian Doctrine 321. 3 s.h. PROFESSOR ROWE
[Not offered in 1941-42]
325. Soteriology.—Prerequisite: Christian Doctrine 321. 3 s.h. PROFESSOR ROWE
326. Eschatology.—Prerequisite: Christian Doctrine 321. 3 s.h. PROFESSOR ROWE
327. Arminian Theology.—Prerequisite: Christian Doctrine 321. 3 s.h. PROFESSOR ROWE
[Not offered in 1941-42]
328. Current Theology.—Prerequisite: Christian Doctrine 321. 3 s.h. PROFESSOR ROWE
329. Seminar in Historical Theology.—2 s.h. ASSISTANT PROFESSOR OUTLER
- 421-422. Thesis Seminar. DEPARTMENTAL STAFF

CHURCH HISTORY

233. Church History to the Reformation.—3 s.h. ASSISTANT PROFESSOR PETRY
234. History of the Evangelical Movement.—3 s.h. PROFESSOR GARBER
331. The Social Message of the Early and Medieval Church.—Prerequisite: Church History 233-234. 3 s.h. ASSISTANT PROFESSOR PETRY

332. **The Medieval Church.**—Prerequisite: Church History 233-234. 3 s.h.
ASSISTANT PROFESSOR PETRY
334. **A History of Christian Renunciation in the Middle Ages.**—Prerequisite: Church History 233-234. 3 s.h.
ASSISTANT PROFESSOR PETRY
- 335-336. **The Church in America.**—Prerequisite: Church History 233-234.
6 s.h. PROFESSOR GARBER
[Not offered in 1941-42]
337. **Religion in the Southern States since the Civil War.**—Prerequisite: Church History 233-234. 3 s.h.
PROFESSOR GARBER
[Not offered in 1941-42]
339. **Methodism.**—Prerequisite: Church History 233-234. 3 s.h.
PROFESSOR GARBER
431. **Modern Religious Leaders.**—Prerequisite: Church History 233-234.
3 s.h. PROFESSOR GARBER
[Not offered in 1941-42]
432. **Religious Leaders of the Early and Medieval Church.**—Prerequisite: Church History 233-234. 3 s.h.
ASSISTANT PROFESSOR PETRY
[Not offered in 1941-42]
- 437-438. **Thesis Seminar.** DEPARTMENTAL STAFF

HOMILETICS

- 341-342. **Theory and Practice of Preaching.**—6 s.h.
PROFESSORS HICKMAN, MYERS, AND ROWE
346. **Doctrinal Preaching.**—3 s.h. PROFESSOR HICKMAN
[Not offered in 1941-42]
347. **History of Preaching.**—3 s.h. PROFESSOR MYERS
[Not offered in 1941-42]
348. **Materials of Preaching.**—3 s.h. PROFESSOR MYERS
[Not offered in 1941-42]
343. **Pastoral Psychology.**—3 s.h. PROFESSOR HICKMAN
344. **Psychology of Preaching.**—3 s.h. PROFESSOR HICKMAN

PRACTICAL THEOLOGY

351. **Church Administration.**—3 s.h. PROFESSOR ORMOND
352. **The Rural Church and the Community.**—3 s.h. PROFESSOR ORMOND
[Not offered in 1941-42]
354. **Public Worship and Ordinances of the Church.**—3 s.h.
[Not offered in 1941-42] PROFESSOR ORMOND
- 358a. **Church Music.**—2 s.h. MR. BARNES
- 358b. **Church Architecture.**—1 s.h. MR. HAINES
- 453-454. **Practicum on Rural Church Work.** PROFESSOR ORMOND
[Required of all students holding appointments on the Duke Endowment.
No academic credit.]

- *220. Rural Sociology.—3 s.h. ASSOCIATE PROFESSOR THOMPSON
 373. Pastoral Psychology.—3 s.h. PROFESSOR HICKMAN
 **459. Introduction to Psychiatry.—1 s.h. ASSOCIATE PROFESSOR CRISPELL

RELIGIOUS EDUCATION

262. The Educational Work of the Church.—3 s.h. PROFESSOR SPENCE
 263. Curriculum of Religious Education.—3 s.h. PROFESSOR SPENCE
 265. Religious Drama.—3 s.h. PROFESSOR SPENCE
 266. Educational Aspects of Worship.—3 s.h. PROFESSOR SMITH
 [Not offered in 1941-42]
 267. Technic of Teaching Religion.—3 s.h. PROFESSOR SPENCE
 [Not offered in 1941-42]
 268. Drama Construction and Production.—3 s.h. PROFESSOR SPENCE
 364. Foundations of Religious Education.—3 s.h. PROFESSOR SMITH
 366. Seminar in Philosophy of Religious Education.—Prerequisite: Religious Education 262 or its equivalent. 2 s.h. PROFESSOR SMITH
 [Not offered in 1941-42]
 393-394. Religious Thought in the Rise of American Culture.—6 s.h. PROFESSOR SMITH
 461-462. Thesis Seminar. PROFESSOR SPENCE

PSYCHOLOGY OF RELIGION

275. Psychology of Religion I.—3 s.h. PROFESSOR HICKMAN
 [Not offered in 1941-42]
 276. Psychology of Religion II.—3 s.h. PROFESSOR HICKMAN
 [Not offered in 1941-42]
 373. Pastoral Psychology.—3 s.h. PROFESSOR HICKMAN
 374. Psychology of Preaching.—3 s.h. PROFESSOR HICKMAN
 375-376. Seminar in Mysticism.—Prerequisite: Psychology of Religion 275 or its equivalent. 4 s.h. PROFESSOR HICKMAN
 471-472. Thesis Guidance. PROFESSOR HICKMAN

 *206. Social Psychology.—3 s.h. ASSOCIATE PROFESSOR ADAMS
 *223. Abnormal Psychology.—3 s.h. PROFESSOR LUNDHOLM
 *228. Psychology of Belief.—2 s.h. PROFESSOR LUNDHOLM

HISTORY OF RELIGION AND MISSIONS

281. Living Religions of the World.—3 s.h. PROFESSOR CANNON
 282. Missionary Promotion.—3 s.h. PROFESSOR CANNON

* Course offered in the Graduate School of Arts and Sciences which is credited toward the degree of Bachelor of Divinity.

** Course offered in the School of Medicine which is credited toward the degree of Bachelor of Divinity.

284. Comparative Religion.—Prerequisite: 281. 3 s.h. PROFESSOR CANNON
285. The Religions of the Far East.—3 s.h. ACTING PROFESSOR DUBS
286. The Religions of India.—3 s.h. PROFESSOR CANNON
[Not offered in 1941-42]
287. Mohammedanism.—Prerequisite: 281. 3 s.h. PROFESSOR CANNON
[Not offered in 1941-42]
289. Buddhism.—Prerequisite: 281. 3 s.h. PROFESSOR CANNON
- 481-482. Thesis Seminar.—Prerequisite: six semester-hours in the department. PROFESSOR CANNON

PHILOSOPHY OF RELIGION AND CHRISTIAN ETHICS

291. Christian Ethics.—3 s.h. PROFESSOR SMITH
293. Christian Religion and Modern Thought.—3 s.h. ACTING PROFESSOR DUBS
294. The Christian Religion and Values.—3 s.h. ACTING PROFESSOR DUBS
295. Philosophical Foundations of Religious Belief I.—3 s.h. ACTING PROFESSOR DUBS
[Not offered in 1941-42]
296. Philosophical Foundations of Religious Belief II.—3 s.h. ACTING PROFESSOR DUBS
[Not offered in 1941-42]
- 393-394. Religious Thought in the Rise of American Culture.—6 s.h. PROFESSOR SMITH
397. Seminar in American Religious Thought.—2 s.h. PROFESSOR SMITH
398. Seminar in Christian Ethics.—2 s.h. PROFESSOR SMITH
491. Thesis Seminar. PROFESSOR SMITH

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- *203. The Philosophy of Conduct.—3 s.h. ASSOCIATE PROFESSOR MORGAN
- *209. Philosophy of Religion I: Philosophical Introduction.—3 s.h. PROFESSOR WIDGERY
- *210. Philosophy of Religion II: Philosophical Introduction.—3 s.h. PROFESSOR WIDGERY
- *226. The History of Ethics.—3 s.h. ASSOCIATE PROFESSOR MORGAN

SOCIOLOGY

At least five semester hours of undergraduate sociology are prerequisite to all courses of the Department, except 234, 299, and 318. Students whose undergraduate training in sociology has been inadequate but who wish to pursue further work in the Department are advised to consult with the chairman of the Department of Sociology regarding the removal of their deficiency as soon as possible after matriculation in the Divinity School.

234. Social Ethics.—3 s.h. PROFESSOR HART

* Courses offered in the Graduate School of Arts and Sciences which are credited toward the degree of Bachelor of Divinity.

299. Marriage and Family Counseling.—2 s.h.	PROFESSOR HART
318. Religion and the World Crisis.—3 s.h.	PROFESSOR HART
421-422. Thesis Seminar.	PROFESSOR HART
<hr/>	
*205. Social Pathology.—3 s.h.	PROFESSOR JENSEN
*206. Criminology.—3 s.h.	PROFESSOR JENSEN
*212. Child Welfare.—3 s.h. [Not offered in 1941-42]	PROFESSOR JENSEN
*219. Urban Sociology.—3 s.h.	ASSOCIATE PROFESSOR THOMPSON
*220. Rural Sociology.—3 s.h.	ASSOCIATE PROFESSOR THOMPSON
*319. Principles of Sociology.—3 s.h.	PROFESSOR ELLWOOD
*320. History of Social Philosophy.—3 s.h.	PROFESSOR ELLWOOD

* Courses offered in the Graduate School of Arts and Sciences which are credited toward the degree of Bachelor of Divinity.

GENERAL INFORMATION

FEES

Tuition is remitted to students matriculated in the Divinity School, for which they are expected to render from time to time service which shall not interfere with their work in the Divinity School.

Each student is assessed per semester as follows:

Matriculation Fee	\$25.00
Library Fee	5.00
Athletic Fee	5.00
Publication Fee (optional)	2.50
Hospital Fee	5.00
Damage Fee	1.00

Each student is assessed, in the last semester before a degree is conferred, a Commencement Fee of \$3.00 and a Diploma Fee of \$5.00. The latter fee is refunded if the diploma is not awarded.

LATE REGISTRATION

Students matriculating in either semester at a date later than that prescribed in the catalogue shall pay to the Treasurer of the University a penalty of \$5.00.

ROOMS

All rooms in the dormitories are provided with heat, water, and electric light. Each student furnishes his own blankets, sheets, pillow slips, towels, and pillows. Students must furnish their own electric lamps, which can be purchased from the University Store.

Rooms for a given year may be engaged at the office of the Director in the Business Division at any time before May 15 of the preceding year. Every student who wishes to retain his room for the succeeding year must notify the office of the Director in the Business Division on or before May 15. All rooms which have not been signed for on or before May 15 will be considered vacant for the succeeding year. A reservation is cancelled, and the University is free to rent the room to other students, unless a deposit of \$25.00 for each proposed occupant, in part payment of the rent, is made by August 1. Further information concerning the rental of rooms can be secured from the Dean of the Divinity School.

BOARDING HALLS

The University dining hall in the University Union has accommodations for all the resident men students. It is the policy of the University to furnish board to the students at actual cost. Board may be secured at the Union for an amount not to exceed \$25.00 per month. The Union

is the logical center of student activities, and all male students are advised to board in its supervised halls.

STUDENT AID

Scholarships are available for students, the terms of which may be ascertained by correspondence with the Dean of the Divinity School. Aid is also given in securing positions in churches. Students who need financial help may be assured that the administration will do all in its power to give the necessary assistance.

N. EDWARD EDGERTON SCHOLARSHIP FUND

In 1939 Mr. N. Edward Edgerton, of Raleigh, North Carolina, an alumnus of Duke University of 1921 and president of the Duke University Alumni Association, established the N. Edward Edgerton Scholarship Fund in the Divinity School. The purpose of the Edgerton Fund as specified by the donor is a "scholarship or scholarships to be awarded only to students who are candidates for the B.D. degree in the Divinity School."

THE LIBRARY

The Divinity School has its own library, conveniently housed in the Divinity School Building. The Library, which contains materials dealing with the subject of religion, already numbers nearly thirty thousand volumes. It has been carefully selected and is the equivalent in working efficiency of many libraries which are much larger. It is already rich in complete files of the more important journals and periodicals, in sets containing source materials for the study of the history of religion and missions, in facsimiles of the more important manuscripts of the New Testament, and in source materials in the field of American church history. The Library is being rapidly expanded. One of the outstanding possessions of the Library is a magnificent Greek manuscript of the thirteenth or fourteenth centuries containing the entire text of the New Testament.

Besides this special library, students of the Divinity School have the use of the General Library of the University, the Library of the School of Law, and the Library of the School of Medicine. All these libraries are located near the Divinity School Building.

MASTER OF ARTS AND DOCTOR OF PHILOSOPHY DEGREES IN RELIGION

The Bachelor of Divinity degree is the only degree conferred by the Divinity School. There is, however, a very close relationship between the Divinity School and the Graduate School of Arts and Sciences, which confers the degrees of Master of Arts and Doctor of Philosophy. Students desiring additional graduate study beyond the degree of Bachelor of Divinity should correspond with the Dean of the Graduate School of Arts and Sciences.

FACILITIES FOR ADVANCED STUDY IN THE AMERICAN SCHOOLS OF ORIENTAL RESEARCH

The Divinity School of Duke University is one of the supporting members of the American Schools of Oriental Research. This grants to students in the Divinity School the privilege of attending the American School in Jerusalem or the one in Bagdad without charge for tuition. They are also able to compete for the financial aids that are offered annually by the Schools. These consist of four fellowships, the stipends depending upon available funds.

RELIGIOUS LIFE

The students of the Divinity School are expected to attend the regular University Chapel services which are held on Tuesday and Friday of each week. Special chapel services for the Divinity School are held each Monday and Wednesday.

In this, as in other features of the University life, the students of the Divinity School are urged to identify themselves with the life of the whole student group.

DATE OF REGISTRATION

Classwork in the Divinity School for the academic session of 1941-42 will begin on Monday, September 22, 1941. The registration of students in the Divinity School will be held on Saturday, September 20, 1941.

ADDITIONAL INFORMATION

Requests for information not contained in this bulletin should be addressed to the Dean of the Divinity School, Duke University, Durham, North Carolina.

THE SCHOOL OF LAW

1940-1941

ANNOUNCEMENTS FOR 1941-1942

MEMBER OF THE ASSOCIATION OF AMERICAN LAW SCHOOLS

APPROVED BY THE AMERICAN BAR ASSOCIATION

UNIVERSITY CALENDAR

1941

- Sept. 17. Wednesday—Registration of Law Students.
Sept. 18. Thursday—Commencement of Instruction.
Nov. 20. Thursday—Thanksgiving Day: a holiday.
Dec. 11. Thursday—Duke University Day.
Dec. 20. Saturday—1:00 P.M. Christmas recess begins.

1942

- Jan. 5. Monday—8:10 A.M. Instruction is resumed.
Jan. 17. Saturday—Mid-year examinations begin.
Jan. 31. Saturday—Last day for matriculation for second semester.
Feb. 2. Monday—Second semester begins.
March 21. Saturday—1:00 P.M. Spring vacation begins.
March 30. Monday—8:10 A.M. Instruction is resumed.
May 22. Friday—Final examinations begin.
June 6. Saturday—Commencement opens; Faculty Breakfast for Law Seniors.
June 7. Sunday—President's Address to Graduating Class.
June 8. Monday—Commencement Address; Graduating Exercises.

OFFICERS OF ADMINISTRATION

*WILLIAM PRESTON FEW, A.B., A.M., Ph.D., Litt.D., Ed.D., L.H.D., LL.D.
PRESIDENT OF THE UNIVERSITY

**ROBERT LEE FLOWERS, A.M., LL.D.
PRESIDENT OF THE UNIVERSITY

H. CLAUDE HORACK, Ph.B., LL.B., LL.D.
DEAN AND PROFESSOR OF LAW

LAW SCHOOL COMMITTEE OF THE BOARD OF TRUSTEES

Willis Smith, Raleigh, North Carolina.
James A. Bell, Charlotte, North Carolina.
J. P. Frizzelle, Snow Hill, North Carolina.
B. S. Womble, Winston-Salem, North Carolina.

* Died, October 16, 1940.

** Elected January 29, 1941.

ORGANIZATION, EQUIPMENT, AND SPECIAL ACTIVITIES

HISTORY AND ORGANIZATION

Legal instruction in Trinity College dates from 1850, but it was not until 1868 that professional training in law was offered. The two chairs in the Department of Law were those of National and Constitutional Law, and Common and Statute Law. President Braxton Craven occupied the former from 1868 until his death in 1882. Outstanding members of the bench and bar were specially engaged, in given years, to lecture on particular subjects. Complete instruction was given "by daily lectures and regular examinations," and students were "fully prepared to obtain license."

In 1882 the Department of Law was discontinued. In 1891 instruction in law was resumed, with the appointment of the Honorable A. C. Avery, Associate Justice of the Supreme Court of North Carolina, as dean of the Law School, and continued until 1894.

The School of Law of Trinity College was founded in the summer of 1904 upon an endowment established by James B. Duke and Benjamin N. Duke. Samuel Fox Mordecai organized the School and was its dean until his death in 1927. Its establishment set a new standard in Southern legal education in that it was the first school to require college work as preliminary to law study. It required the completion of two years of college work as prerequisite to entrance, the case method was used as the basis of instruction, and the completion of three years of resident study was required for a law degree.

In 1924 the School of Law of Trinity College became the Duke University School of Law pursuant to the establishment of the Duke Endowment. In 1930 the School was moved into its new building, the Faculty and Library were greatly increased, and the activities of the School broadened. In 1931 the entrance requirement was raised from two to the present requirement of three years of college work. The School of Law is a member of the Association of American Law Schools and is on the "Approved List" of the American Bar Association.

PURPOSES AND METHODS OF INSTRUCTION

The curriculum of the School of Law provides thorough preparation for the practice of law in any State. It affords in the third year opportunities for specialization in particular branches of the law.

In carrying out the trust imposed by the Duke Indenture, the School of Law seeks to have the student acquire knowledge and comprehension not only of legal doctrine, but also of the judicial process and of the social, economic and political problems with which law and lawyers

must deal. The method of instruction employed compels analysis of judicial opinions and inquiry into the nonlegal as well as the legal considerations which underlie them. In appropriate courses, special consideration is given to the work of the legislative and administrative agencies of government. Scope for creative student work is provided by seminar courses and the courses in Current Decisions.

The student is not left to obtain practical training in his first years of practice. Instruction is offered in legal research and briefing; there is a practice course; and third-year students participate in the work of the Legal Aid Clinic. The students, through their Bar Association, engage in activities designed to awaken in them a sense of the lawyer's responsibilities and a familiarity with the professional organizations through which a lawyer may and should contribute to the well-being of his profession and of society.

THE LAW SCHOOL BUILDING

The Law Building, like all other structures on the main campus of Duke University, is in Tudor Gothic style of colorful Cambrian stone from the Duke University quarries. It was occupied by the School of Law for the first time in September, 1930. In it are classrooms, seminar rooms, offices for Faculty and Staff, quarters for the Legal Aid Clinic and for the Duke Bar Association, a courtroom equipped for trial court and appellate court sessions, and the Law Library.

THE LAW LIBRARY

The Law Library contains a collection of nearly seventy thousand volumes, which is the largest law school collection in the South. It consists of American and English statutory and case law; a collection of Continental Law materials; treatises, digests, encyclopedias; the various selected case series; a comprehensive collection of legal periodicals; and publications in the fields of history, economics, government, and the other social sciences, supplemental to the strictly legal materials. The Library receives every current legal periodical of general interest printed in the English language.

THE LEGAL AID CLINIC

A Legal Aid Clinic was organized at the School of Law in 1931 under the direction of Professor John S. Bradway, who had directed similar undertakings in Philadelphia and Los Angeles. The purpose of the Clinic is threefold: to give the student experience in handling actual cases; to develop creative skills, techniques and mental habits; to encourage a sense of responsibility to client, court, profession and community.

THE PRACTICE COURSE

The practice course in the School of Law is under the direction of Judge T. D. Bryson, for eight years judge of the Superior Court of

the Twentieth Judicial District of North Carolina. The object of the course is to offer third-year students an opportunity to visualize by actual experience the application of the principles of law imparted in other courses.

LEGAL PERIODICALS

The School of Law publishes a quarterly, *Law and Contemporary Problems*, under the editorship of Professor Cavers and Associate Professor Sanders. This periodical, now in its eighth volume, presents in each issue a symposium on a problem of current legal importance, in which the interrelated social and economic, as well as legal, factors are discussed by writers of competence in these respective fields. Where student research may contribute to the understanding of the legal aspects of such problems, student writings are accepted for publication. Included among the topics discussed in the first eight volumes of *Law and Contemporary Problems* are food and drug control, low-cost housing, federal criminal laws, industrial and group life insurance, instalment selling, migratory divorce, alimony, expert testimony, social security legislation, the compensation of the motor accident victim, the Securities Act of 1933, price discrimination and price cutting, collective bargaining under the Wagner Act, the wage and hour law, medical care, the Sherman Antitrust Act, federal income and estate taxation, railroad reorganization, alcoholic beverage control, and combating the loan shark.

The circulation of *Law and Contemporary Problems* extends not only to members of the legal profession and law libraries throughout the country, but also to industrial and financial concerns, governmental agencies, and public and general university libraries. Individual issues are not infrequently used as materials for study in university courses.

The Duke Bar Association has published since 1933 the *Duke Bar Association Journal* in which appear reports of addresses made before the Association by distinguished guests, proceedings of the Association at its regular meetings, and items of interest concerning the School. To afford a medium for the publication of the student notes and comments on recent important decisions prepared in the Current Decisions course without necessitating the inclusion in the quarterly of the department of student work usual in "law reviews," the *Journal* publishes such notes and comments as are deemed by the editors to be of special merit. Professor Cavers serves as adviser to the student editorial board of the *Journal*.

THE DUKE BAR ASSOCIATION

The Duke Bar Association was established in the spring of 1931. It is composed of all the students of the Law School and is organized along the lines of the American Bar Association. Its purpose is to introduce the student to the problems considered by the bar in professional organizations and to develop professional consciousness and responsibility. It publishes the *Duke Bar Association Journal*, described in the preceding section. Its activities are carried on by the students with the co-operation of Dean Horack of the Law Faculty as general adviser.

GENERAL INFORMATION

MATRICULATION, REGISTRATION, AND ENROLLMENT

On the day of registration, September 17, 1941, the applicant must obtain from the Dean of the Law School an admission card, indicating that he is entitled to register. Registration is conducted in the Law Building. All students, both old and new, are required to register at the beginning of each semester, at which time class schedule and course cards must be filled out and approved. Students matriculating in either semester at a date later than that prescribed in this catalogue shall pay to the Treasurer a penalty of \$5.00 for late registration. Instruction will begin in all classes on Thursday, September 18, 1941.

FEES AND EXPENSES

Tuition and registration fees are due at the beginning of each semester. The matriculation fee is \$25.00 a semester. The tuition fee is \$100.00 a semester. A damage fee of \$1.00 is collected at the beginning of the first semester only, an athletic fee of \$5.00 at the beginning of each semester, a library fee of \$5.00 each semester, and a medical fee of \$5.00 each semester. The graduation fee, payable by all students to whom a degree is awarded, is \$10.00.

SCHOLARSHIPS AND STUDENT AIDS

A limited number of scholarships covering tuition and matriculation fees (\$250) are available to first-year students, graduates of approved American universities and colleges, who are in need of such assistance. Applicants must have made excellent records in their college work and must show unusual promise of success in the study of law.

Applications for scholarships should be presented before May 1 to the Dean of the Law School, together with a transcript of college work and letters of recommendation from responsible persons, certifying to the character and fitness of the applicant.

AWARDS

Willis Smith Prize. Mr. Willis Smith, a member of the Raleigh bar and Chairman of the Law School Committee of the Board of Trustees of Duke University, awards each year to that member of the graduating class of the Law School who has maintained the highest scholastic average during the entire three years of law school work, a prize consisting of a set of books selected personally by Mr. Smith each year for that purpose. The winner of the prize for 1932 was Jeter S. Ray, Newport, Tenn.; for 1933, William B. McGuire, Jr., Franklin, N. C.; for 1934,

Robert Gilpin Seaks, Harrisburg, Pa.; for 1935, Erle Pettus, Jr., Birmingham, Ala.; for 1936, Edward Rubin, Los Angeles, Calif.; for 1937, William R. Perdue, Jr., Macon, Ga.; for 1938, Thomas E. Butterfield, Jr., Bethlehem, Pa.; for 1939, Gustav B. Margraf, Cape Girardeau, Mo.; and for 1940, Joseph Laufer, Durham, N. C.

ORDER OF THE COIF

A chapter of the Order of the Coif, national legal scholarship society, has been established at Duke University School of Law. Its purpose is "to foster a spirit of careful study and to mark in a fitting manner those who have attained a high grade of scholarship." Election is restricted to the ten per cent of the Senior Class who have attained the highest rank in their law school work. Those receiving this honor in the graduating class of 1940 were: Joseph Laufer, Durham, N. C.; Albert Harrell Pope, Dunn, N. C.; and Benjamin D. Raub, Jr., Easton, Pa.

STUDENTS CALLED TO MILITARY SERVICE

In so far as possible, the Administration of Duke University and the Faculty of the School of Law will endeavor to see that no student suffers loss of academic standing or of fees paid to the University because of being called into the armed forces of the United States. Individual cases will be considered on their merits as they arise.

ADMISSION OF STUDENTS

REQUIREMENTS FOR ADMISSION

Any person may be admitted as a candidate for the degree of Bachelor of Laws (1) who is a graduate of a college of approved standing, or (2) who has completed in a college of approved standing work equivalent in number of units to three fourths of that required for graduation and whose college work in its entirety shows an average grade equal to that required for graduation, the requirement in each case being determined by the regulations of the college where the work was taken.

COMBINED COURSE

A number of colleges, upon application by their students, have permitted those who have completed three years of undergraduate work, to enter the Law School of Duke University and upon the satisfactory completion of the first year of law school work to receive their Bachelor of Arts degrees from such colleges. It is suggested that students desiring to enter Duke University School of Law make inquiry of their proper college authorities regarding this point.

A student in either of the Liberal Arts Colleges of Duke University may complete in six years a combined course wherein he will have received his academic degree and also the degree of Bachelor of Laws. This arrangement is made possible under the following recommendations of the Faculty of the arts colleges:

Students who have completed with not less than a "C" average at least ninety-six semester hours of undergraduate work in the pre-legal group of studies in Duke University may on the approval of the Dean of the Undergraduate College transfer to this Law School and become eligible for the Bachelor's degree on the satisfactory completion of the full twenty-six semester hours of work of the first-year class in this School.

It is understood that this provision shall apply solely to eligible Duke University undergraduates, and that not less than the full first-year's work of the Law School will be acceptable for credit toward the Bachelor's degree.

It should be noted that while the Combined Course plan of securing two degrees is restricted to those who have taken the "pre-legal course," general admission to the Law School is not so restricted.

ADMISSION TO ADVANCED STANDING

Any person, who has complied with the requirements for admission set forth in this announcement, prior to the commencement of his law study, who shall present evidence of the satisfactory completion of any part of the curriculum at any law school which is a member of the Association of American Law Schools, and who is eligible for readmis-

sion to the law school from which he proposes to transfer, may be admitted to advanced standing, subject to such rules as would be applicable to students in this School having a comparable scholastic record. Provisional credit for courses so completed shall be given, final credit for such work to be conditioned on the completion of at least one full year of law study in this School with an average of at least five points above the passing grade. Adjustment of credit for work done in such other law schools may be by vote of the Faculty.

CANDIDATES FOR GRADUATE DEGREES

Applications for admission to graduate study should be addressed to the Dean of the Law School and should include transcripts of records of legal and pre-legal work.

REQUIREMENTS FOR BACHELOR OF LAWS DEGREE—STUDENT PROGRAMS

BACHELOR OF LAWS DEGREE

Upon favorable recommendation of the Faculty, the degree of Bachelor of Laws will be conferred on students who shall have successfully completed three years' study of law, the last full year of work immediately preceding the granting of such degree having been completed, except under extraordinary circumstances, in this School.

A student shall be deemed to have completed successfully three years' study of law if during this period he has

(1) secured a passing grade in courses aggregating the number of semester hours in the first-year program, in required courses in other years, and in courses constituting its faculty-approved student minimum programs for the second and third years;

(2) secured in every required course a grade not requiring repetition thereof; and

(3) secured an average grade at least five points above passing in all work taken other than first-year courses, or, if such grade is lower than that above specified, an average grade of five points above passing in all work taken.

Students who shall have spent only their third year of study in residence in this School must have received an average grade at least five points above passing for that year.

THE FIRST-YEAR PROGRAM

All of the first-year courses are required for graduation, as is completion of the Readings Course described on page 30, and no second- or third-year courses may be elected until the student has secured grades not requiring repetition of any first-year courses or has made provision for the completion thereof.

The following courses comprise the work of the first year:

<i>Subject</i>	<i>Hours per semester</i>	
Contracts	3	3
Legal Research and Writing.....	2	2
Property	2	2
Torts	2	3
Criminal Law and Its Administration.....	3	
Introduction to Procedure	3	
Introduction to Equity		2
Negotiable Instruments and Banking		3
	15	15

SECOND- AND THIRD-YEAR PROGRAMS

The course in Legal Aid Clinic is required of those third-year students who have not been selected to take the course in Current Decisions II. The course in Legal Ethics is required of all third-year students. For descriptions of the content of these courses, see pages 31 and 32.

With the exceptions noted above, all courses offered for the second and third years are elective. For the guidance of second-year students in 1941-42, the Faculty recommends the inclusion of the following courses in their programs of study:

<i>Subject</i>	<i>Hours per semester</i>	
Constitutional Law	2	3
Credit Transactions	2	2
Equity	2	2
Conveyancing	3	
Pleading (Prerequisite to Practice)	3	
Trusts	3	
Business Associations I		3
Contracts II		2
Negotiable Instruments and Banking		3
	15	15

For the student who wishes to take, in his second year, courses other than those listed above, the following are suggested as suitable for study in the second year:

<i>Subject</i>	<i>Hours per semester</i>	
Family Law	2	
Landlord and Tenant	2	
Municipal Corporations	2	
Future Interests		3
Wills and Administration of Estates		3

It should be distinctly understood that the courses in this second list are not suggested as either more or less suitable for study in the third year than those not included therein. In the selection of courses in addition to or in substitution for those recommended above, the student should consult the course groupings appearing at another place in this bulletin, so that he may choose those courses which will contribute most directly to his work in the field of study to which he wishes to devote his major efforts in the third year. The student intending to enter the general practice of law is cautioned, however, not to sacrifice, through undue concentration, the acquisition of a broad foundation for his subsequent activities.

The courses included in the above lists and all other courses offered are described at pages 26 to 32 of this bulletin. The courses offered which are not included in the above lists comprise:

<i>Subject</i>	<i>Hours per semester</i>	
Current Decisions I	1	1
Current Decisions II	1	1
Evidence	2	2
Legal Aid Clinic	3	2
Practice	2	2
Taxation	2	2
Administrative Law	2	
Business Associations II	3	
Conflict of Laws	3	
Debtors' Estates	3	
Insurance	2	
Legal Ethics	1	
Legal History	3	
Legislation	2	
Family Law Seminar		2
Federal Jurisdiction and Procedure		2
Labor Law		2
Legislation Seminar		2
North Carolina Statutes		2
Readings in Jurisprudence.....		
Regulation of Business		1
Regulation of Business Seminar		2
Roman Law: Comparative Law of Obligations.....		
Seminar in Legal History		2
Seminar in Federal Tax Problems.....		2

GRADUATE WORK IN LAW

GRADUATE DEGREES

The School of Law confers two graduate degrees, the degree of Master of Laws (LL.M.) and the degree of Doctor of Juridical Science (S.J.D.).

REQUIREMENTS FOR ADMISSION TO GRADUATE STUDY

Any person who shall have received the first degree in law from a law school qualified for membership in the Association of American Law Schools and whose college course and law course combined shall have occupied at least six years, may be admitted as a candidate for the degree of Master of Laws. In exceptional cases an applicant who does not meet all the above requirements may, on vote of the Faculty, be admitted to candidacy for this degree where he is able to demonstrate that he is specially qualified, as by reason of practice or teaching.

Any person holding the degree of Master of Laws from this or any other law school which is qualified for membership in the Association of American Law Schools may, on vote of the Faculty, be admitted to candidacy for the degree of Doctor of Juridical Science, provided he completed the work for the Master's degree with distinction.

THE DEGREE OF MASTER OF LAWS

Upon favorable recommendation of the Faculty, the degree of Master of Laws will be conferred on students who have successfully completed during a period of residence at this School totaling at least one year a course of study approved by the Committee on Graduate Study.

The courses of study leading to this degree are designed to provide for the needs of two classes of students: (1) graduates of approved law schools who desire a fourth year of study for the purpose of undertaking an intensive study of some specialty, or who desire to broaden their legal education through the study of such subjects as jurisprudence and legal history; (2) graduates of approved law schools who desire to teach law or engage in legal research and who intend to become candidates for the degree of Doctor of Juridical Science.

One year of resident study is required for the degree of Master of Laws. No thesis is required. The course of study is prescribed by the Committee on Graduate Study after consultation with the individual student. Opportunity will be afforded the student to include in his program such second- and third-year law courses, not already completed, as are desirable for the rounding out or supplementing of his previous training. In some cases, courses in other departments of the University may be included. In the case of students whose interests lie in further preparation

for practice, the course will normally include registration in subjects totaling twelve hours each semester. In the case of students interested primarily in legal research, a lighter schedule, so far as enrollment in formal courses is concerned, may be arranged. In cases where less than twelve hours' work is prescribed for either semester, the Committee on Graduate Study may require that the student complete the work undertaken with a grade considerably higher than that required of candidates for the first degree in law.

THE DEGREE OF DOCTOR OF JURIDICAL SCIENCE

Upon favorable recommendation of the Faculty, the degree of Doctor of Juridical Science will be conferred on students admitted to candidacy for that degree who complete and submit a monograph or series of essays suitable for publication and deemed by the Faculty to be of distinguished character. At least one academic year and, in the absence of an extension granted by the Faculty upon petition thereto, not more than three years, must elapse between the awarding of the Master's degree and the awarding of the degree of Doctor of Juridical Science. Students who have received the degree of Master of Laws from another law school must spend at least one year engaged in research at this School and may in addition be required to complete a course of study prescribed by the Committee on Graduate Study.

COURSES OFFERED

This is a condensed description of courses. For a full description, see Bulletin of the School of Law.

1. GENERAL COURSES

- Torts.** Two hours a week, first semester; three hours, second semester.
PROFESSOR MAGGS
- Introduction to Equity.** Two hours a week, second semester.
PROFESSOR HORACK
- Equity.** Two hours a week throughout the year. PROFESSOR HORACK
- Trusts.** Three hours a week, first semester. PROFESSOR LOWNDES
- Conflict of Laws.** Three hours a week, first semester. PROFESSOR CAVERS
- Family Law.** Two hours a week, first semester. PROFESSOR BRADWAY
- Family Law Seminar.** Two hours a week, second semester.
PROFESSOR BRADWAY
- North Carolina Statutes.** Two hours a week, second semester.
PROFESSOR BRYSON

2. BUSINESS COURSES

- Contracts.** Three hours a week, first semester; three hours, second semester.
PROFESSOR SHEPHERD
- Contracts II.** Two hours a week, second semester. PROFESSOR SHEPHERD
- Negotiable Instruments and Banking.** Three hours a week, second semester.
PROFESSOR LOWNDES
- Business Associations I.** Three hours a week, second semester.
PROFESSOR LATTY
- Business Association II—Finance and Accounting.** Three hours a week, first semester.
PROFESSOR LATTY
- Credit Transactions.** Two hours a week throughout the year.
PROFESSOR POTEAT
- Debtors' Estates.** Three hours a week, first semester. PROFESSOR POTEAT
- Insurance.** Two hours a week, first semester.
ASSOCIATE PROFESSOR SANDERS
- Regulation of Business.** Survey course, one hour a week; seminar, two hours a week, second semester.
PROFESSOR CAVERS

3. PROPERTY COURSES

- Property.** Two hours a week throughout the year.
Part I PROFESSOR LATTY
Part II PROFESSOR BOLICH
- Conveyancing.** Three hours a week, first semester. PROFESSOR BOLICH

Landlord and Tenant. Two hours a week, first semester.

PROFESSOR BOLICH

Future Interests. Three hours a week, second semester.

PROFESSOR BOLICH

Wills and Administration of Estates. Three hours a week, second semester.

PROFESSOR McDERMOTT

Trusts. Three hours a week, second semester.

PROFESSOR LOWNDES

4. PUBLIC LAW COURSES

Criminal Law and Its Administration. Three hours a week, first semester.

ASSOCIATE PROFESSOR SANDERS

Constitutional Law. Two hours a week, first semester; three hours, second semester.

PROFESSOR MAGGS

Administrative Law. Two hours a week, first semester.

PROFESSOR MAGGS

Labor Law. Two hours a week, second semester.

ASSOCIATE PROFESSOR SANDERS

Legislation. Two hours a week, first semester.

PROFESSOR McDERMOTT

Legislation Seminar. Two hours a week, second semester.

PROFESSOR McDERMOTT

Municipal Corporations. Two hours a week, first semester.

PROFESSOR McDERMOTT

Regulation of Business. One hour a week, second semester.

PROFESSOR CAVERS

Regulation of Business Seminar. Two hours a week, second semester.

PROFESSOR CAVERS

Taxation. Two hours a week throughout the year.

PROFESSOR LOWNDES

Seminar in Federal Tax Problems. Two hours a week, second semester.

PROFESSOR LOWNDES

5. JURISPRUDENCE COURSES

Readings.

PROFESSOR BOLICH AND OTHER INSTRUCTORS

Readings in Jurisprudence. Two credit hours. A one-hour discussion meeting will be held each week. First semester.

[To be arranged.]

Legal History. Three credit hours. First semester.

PROFESSOR BOLICH

Seminar in Legal History. Hours and credit to be arranged with the instructor upon approval of said Committee. Second semester.

PROFESSOR BOLICH

Roman Law: Comparative Law of Obligations. Two hours a week, second semester.

[To be arranged.]

6. PROCEDURE AND PRACTICE COURSES

Introduction to Procedure. Three hours a week, first semester.

PROFESSOR POTEAT

Pleading. Three hours a week, first semester. PROFESSOR BRYSON

Practice. Two hours a week throughout the year. PROFESSOR BRYSON

Evidence. Two hours a week throughout the year. PROFESSOR McDERMOTT

Federal Jurisdiction and Procedure. Two hours a week, second semester. PROFESSOR POTEAT

Legal Ethics. One hour a week, first semester. PROFESSOR BRADWAY

Legal Aid Clinic. Three hours a week, first semester; two hours a week, second semester (in two sections).

PROFESSOR BRADWAY AND LEGAL AID CLINIC STAFF

Bar Association Activities. Not for credit. PROFESSOR HORACK

7. LEGAL RESEARCH AND WRITING

Legal Research and Writing. Two hours a week throughout the year.

MR. ROALFE, THE FIRST-YEAR FACULTY, PROFESSOR BRADWAY,
AND THE LEGAL AID CLINIC STAFF

Current Decisions I. One hour throughout the year. PROFESSOR CAVERS AND STAFF

Current Decisions II. One hour throughout the year. PROFESSOR CAVERS AND STAFF

Student Editorial Work. Credit for this work will be given in Current Decisions. PROFESSOR CAVERS

THE SCHOOL OF MEDICINE

1940-1941

ANNOUNCEMENTS FOR 1941-1942

CALENDAR

1940

- Oct. 3. Thursday—Registration of students, and Autumn Quarter begins.
Nov. 28. Thursday—Thanksgiving: a holiday.
Dec. 21. Saturday—Autumn Quarter ends.

1941

- Jan. 2. Thursday—Registration of students, and Winter Quarter begins.
March 15. Saturday—Winter Quarter ends.
March 24. Monday—Registration of students, and Spring Quarter begins.
April 14. Easter Monday: a holiday.
June 2. Monday—Commencement.
June 7. Saturday—Spring Quarter ends.
June 16. Monday—Registration of students, and Summer Quarter begins
(Junior-Senior students).
July 4. Friday—Independence Day: a holiday.
Aug. 30. Saturday—Summer Quarter ends.
Oct. 2. Thursday—Registration of students, and Autumn Quarter begins.
Nov. 20. Thursday—Thanksgiving Day: a holiday.
Dec. 20. Saturday—Autumn Quarter ends.

OFFICERS OF ADMINISTRATION

*WILLIAM PRESTON FEW, A.B., A.M., Ph.D., Litt.D., LL.D.
President of the University

**ROBERT LEE FLOWERS, A.M., LL.D.
President

WILLIAM HANE WANNAMAKER, A.B., A.M., Litt.D.
Vice-President

FRANK CLYDE BROWN, A.B., A.M., Ph.D.
Comptroller

CHARLES BLACKWELL MARKHAM, A.B., A.M.
Treasurer

WILBURT CORNELL DAVISON, A.B., B.A., B.Sc., M.A., D.Sc., M.D.
Dean of the School of Medicine

HELEN I. STOCKSDALE
Recorder of the School of Medicine

* Died, October 16, 1940.

** Elected, January 29, 1941.

GENERAL STATEMENT

Duke University School of Medicine and Duke Hospital were established in 1925, through the munificent gift of the late James B. Duke. The *School of Medicine* has been planned to insure the greatest correlation between the various departments. These facilities are available also for students who are studying for degrees other than that of Doctor of Medicine. The School of Medicine has been approved as Class A by the American Medical Association and also is a member of the Association of the American Medical Colleges. On October 3, 1940, two hundred and sixty-two students were enrolled.

FACILITIES OF THE HOSPITAL

Duke Hospital has every modern convenience for the diagnosis, proper care, welfare and comfort of the patients, both private and charity, white and colored, whether they come from Durham or from a distance. It has 604 beds, including 50 bassinets for newly born infants. *Medicine*, including dermatology and neurology, has 75 ward beds; *surgery*, including urology, otolaryngology, ophthalmology and orthopaedics, 143 ward beds; *obstetrics*, including *gynecology*, 56, and 50 bassinets; *neuropsychiatry*, 23; and *pediatrics*, 52. There are 205 private rooms and semiprivate cubicles, 7 operating rooms, and 4 obstetric delivery rooms. Offices and examining rooms for the members of the Medical Faculty are located in the Hospital. The Hospital has been approved for internships and residencies by the Council on Medical Education and Hospitals of the American Medical Association.

Duke Hospital and its Public Dispensary were opened for patients on July 21, 1930. One hundred and forty-eight thousand, five hundred and twenty-six individuals have been examined, diagnosed, and treated up to October 1, 1940. The average daily census of hospital patients is 375; 85,536 visits were made to the Public Dispensary during the past year. Fifteen per cent of the patients come from within a radius of twenty miles, the remaining 85 per cent come from the other 99 counties in North Carolina and from 36 other states. The average distance traveled by the patient is more than 70 miles.

Every effort is being made to co-operate with the medical profession, and patients are asked to return to the physicians who referred them to the Hospital and Clinic.

PUBLIC WARD PATIENTS. Duke Hospital cannot give charity treatment to all who apply; therefore, patients whose incomes are less than \$15 per week should apply to the Public Dispensary Division of the Duke Clinic.

PRIVATE PATIENTS. Patients who can pay the ward and private rates may at any time, through their family physicians, in consultation with

any member of the Hospital Staff, make reservations by telephoning to the Admitting Office. Appointments for private examinations and treatments may be made in advance by telephoning to members of the Hospital Staff or to the Private Diagnostic Division of the Duke Clinic.

SCHOOL OF NURSING

The next class of students will be admitted to the Duke University School of Nursing on October 2, 1941, but applications will be considered at any time after January 1, 1941. Further information about the entrance and other requirements, length of the course, tuition fees, application forms, and bulletins may be obtained by writing to the Dean of the School of Nursing, Duke University, Durham, N. C.

SCHOOL OF DIETETICS

In addition to the training of medical students and nurses in dietetics, six student dietitians may be admitted to the School of Dietetics and given the certificate of graduate dietitian after the successful completion of one year. The entrance requirements are a Bachelor's degree from an approved university or college, with majors in nutrition and institutional management, and the courses in chemistry, biology, social science, and education recommended by the American Dietetic Association. The course for student dietitians provides instruction in all phases of hospital and institutional dietetics, including experience from the buying and storage of food to its service to the patient according to the physician's orders. In addition, the student dietitians are required to complete the courses in biochemistry, nutrition, and selected portions of physiology as given to the medical students.

More detailed information and application blanks may be obtained from the Professor of Dietetics, Duke University School of Dietetics, Durham, N. C. The course starts the first Monday in September, but applications for appointments should be made before February 1. No tuition is charged, but a registration fee of \$10 is payable at the time of appointment; maintenance is provided.

HOSPITAL ADMINISTRATION

Three or four internships in hospital administration leading to a certificate are available to university graduates, whose character, tact, and ability for leadership are good, and whose academic standing is high. These internships are of three years' duration and pay a small salary in addition to room, board, and laundry. Vacations of two weeks are allowed at the beginning of the second and third years of internship.

The instruction is practical rather than theoretical in emphasis. The internes are rotated through five different assistant administrative positions in the Hospital. There is also a weekly seminar lasting two hours.

During these three years, the internes also register in the Graduate School of Duke University, and receive the A.M. degree after the success-

ful completion of a thesis and twenty-four semester hours of University courses in various fields. Further information may be obtained by writing to the Superintendent, Duke Hospital, Durham, N. C.

COURSE IN LABORATORY TECHNIQUE

The course in laboratory technique includes training in blood chemistry, clinical microscopy, bacteriology, serology, basal metabolism, and pathology. The course, which is approved by the Registry of Technicians of the American Society of Clinical Pathologists, begins August 1 and lasts eighteen months. Two years of college work are required with credits in biology or zoology, and inorganic, analytical and organic chemistry. The registration fee is \$75, and there are no additional charges, except for breakage. The students live in town at their own expense. Applications may be sent to Dr. David T. Smith, Duke Hospital, Durham, N. C.

ANESTHESIA

Duke Hospital offers to registered nurses from accredited schools of nursing a twelve months' course in anesthesia, which includes the theory and practice of anesthesia. The tuition fee of \$100 covers all expenses of the course, including maintenance. Applications may be sent to Miss Mary H. Muller, Duke Hospital, Durham, N. C.

MEDICAL SOCIAL SERVICE

Case work service is offered to patients referred by physicians within the Hospital, by outside social service agencies, or upon the patient's own application. Assistance and advice in connection with the problems presented are available to the members of the Staff and referring agencies. The division also provides lectures, consultations, and discussions for students of medicine and nursing, and serves as an agency for supervised field work experience for students of the graduate school of the University of North Carolina. Further information concerning training for advanced students may be obtained from the Social Service Division, Duke Hospital, Durham, N. C.

RECORD LIBRARY

A course for the training of medical records librarians, which has been given full approval by the American Association of Medical Records Librarians, includes all details of the theory and practice of clinical record library methods. The length of the training is twelve months. The tuition fee is \$100 and does not include maintenance. Applications may be made to the Medical Records Librarian, Duke Hospital, Durham, N. C.

POSTGRADUATE STUDY

The School of Medicine is not limited to the training of its own students and Staff, but extends to the members of the medical profession the

benefit of everything it has. Graduates in medicine are welcomed especially at the various clinics and demonstrations in medicine, surgery, obstetrics, and other specialties, which are held from 9 A.M. to 12:30 P.M. each Saturday and at the clinical-pathological conferences at 5 P.M. on Fridays. Postgraduate internships, for one or two weeks, are available to physicians in practice. No fees are charged; room and board can be obtained for \$10 per week. A three-day postgraduate symposium is given each October. Further information may be obtained by writing to the head of the department concerned or to the Dean.

INTERNESHIPS AND RESIDENCIES

Internships of one year's duration with room, board, laundry, and uniforms furnished, but without salary, are available in *surgery* (including general surgery, urology, and orthopaedics), *orthopaedics*, *urology*, *otolaryngology*, *dentistry*, *obstetrics and gynecology*, *endocrinology*, *pediatrics*, and *pathology*, commencing each July and September.

Medical internships (including dermatology, neurology, and psychiatry) are of two years' duration, the interne rising by progressive stages of two months each to senior house officer. After one year's service the interne has the rank and emoluments of an assistant resident. Services begin in July, November, and March.

Application blanks for all internships, which must be returned by November 1, may be obtained by writing to the Superintendent, Duke Hospital, Durham, N. C. Graduates of any Class A medical school are eligible for internships.

After the completion of an internship in Duke Hospital or in another acceptable hospital, a certain number may be appointed as assistant residents in medicine, surgery, obstetrics and gynecology, pediatrics, psychiatry, neurology, dermatology, orthopaedics, urology, otolaryngology, roentgenology, pathology, biochemistry, or the Student Health Service, or as fellows of the Private Diagnostic Clinic, at a salary of \$250 to \$500 per year with maintenance, and eventually may be promoted to the residency in the various departments or subdepartments of the Hospital at an annual salary of \$500 to \$1,000 with maintenance. Applications should be made to the head of the department concerned.

LIBRARY

In addition to the general library of Duke University and the departmental libraries of biology, chemistry, physics, etc., which have 562,302 volumes available for medical students, Duke Hospital Library contains 37,933 volumes of American and foreign medical literature and subscribes to 415 current American and foreign medical and other scientific journals. These books and journals are available daily from 8:20 A.M. to 11:00 P.M. for the students, nurses, staff, and medical profession.

REQUIREMENTS FOR ADMISSION

Intelligence and character are the essential qualifications for admission.

The minimum requirements* for admission to this School include approved college credits of not less than three full academic years, which shall include adequate preparation in English, mathematics, physics, biology, and chemistry. This preparation should be obtainable in college courses of one year duration except for chemistry. In that subject a two-year course is recommended; first year to cover general (inorganic) chemistry, the second, analytical and organic chemistry.

The premedical student should be aware of the importance of a well-rounded general education as preparation for the study of medicine and not limit himself to scientific courses. He would be better advised to secure a knowledge of the principles, and a thorough appreciation of the interrelations, of the basic sciences than to accumulate credits in many courses. He should learn how to work independently, observe critically, and to analyze, rather than simply store the information presented. His choice of studies, beyond those required for admission, should be governed by his own chief interests and by the intellectual stimulus to be derived from the work. His major interest may be in any field, scientific or otherwise, and should provide an opportunity for the demonstration of his real ability. In general he should avoid courses in subjects which are included in the medical curriculum.

Selection of students is based upon the quality rather than the quantity of preparation and upon demonstrated evidence of personal attributes of intelligence, character, and general fitness for the study and practice of medicine. In considering an applicant many sources of information may be consulted, including (1) his curricular and extracurricular college record, (2) carefully prepared, confidential appraisals by teachers who know him personally, (3) his percentile rating on the Medical Aptitude Test,** and (4) the results of an interview with members of the Admission Committee or one of its Regional Representatives.

REQUIREMENTS FOR THE DEGREE OF BACHELOR OF SCIENCE IN MEDICINE

After the completion of six quarters in the Duke University School of Medicine, Duke University, on the recommendation of the Executive Committee, grants the degree of Bachelor of Science in Medicine to medical students who have completed creditable investigative work, prepared an acceptable report of the investigation, and passed an examination upon the subject of the investigation before an advisory committee. Students who elect to undertake work toward this degree must obtain written permission from the Executive Committee after approval of their program by the head of the department in which the work is to be done. No credit toward this degree is given for additional college work, and

* J.A.M.A., 113: 767 (Aug. 26) 1939 and 114: 1924 (May 11) 1940.

** This test is given at many of the colleges during the Autumn term. If information is not available locally, it may be secured from Dr. F. A. Moss, Columbia Medical Building, Washington, D. C.

students who have a Bachelor's degree are not eligible, but all students in good standing are encouraged to undertake such investigative work as they may elect when approved by the Curriculum Committee and the head of the department in which they wish to work. All requirements must be completed prior to April 15 of the year in which the B.S. degree is requested.

REQUIREMENTS FOR THE DEGREE OF DOCTOR OF MEDICINE

The degree of Doctor of Medicine is conferred on those who have completed, to the satisfaction of the Executive Committee, the twelve quarters of the curriculum of the School of Medicine, the preclinical and clinical examinations, and have signed an agreement that they will spend at least two of the succeeding three years in hospital or laboratory work acceptable to the Executive Committee. As a guarantee of this pledge, the diploma is deposited in the Treasurer's Office until after the completion of this training. Failure to fulfill this agreement constitutes a waiver of any claim to possession of the diploma and the degree of Doctor of Medicine.

DEPARTMENTS OF INSTRUCTION

ANATOMY

Five days per week during the Autumn Quarter and two days per week during the Winter Quarter are scheduled for the *required* courses of instruction in gross human anatomy, histology, and neurology. In all of this work considerable freedom is allowed the student in his selection of working hours and in the planning of his own methods of attack. Emphasis is placed upon the study of material in the laboratory, supplemented by a few lectures and by frequent small-group conferences upon any phases of the work then current. All of the instruction is designed to be as informal and as nearly individual as possible. General principles and the functional viewpoint of living anatomy are stressed in the hope that the student may be stimulated to secure a working knowledge of anatomy in the broadest sense. Whenever possible, fresh tissues and living cells are made available for examination, and clinical cases exemplifying anatomical principles are studied whenever they are available at appropriate times. Through the co-operation of the Department of Roentgenology, the students are given an opportunity to study portions of the living human body as revealed by the fluoroscope and roentgenograph.

Surgical Anatomy. This course is offered by members of the surgical staff and is open to a limited number of Senior students. Anatomy as applied to surgery is studied, at the dissecting table, from the diagnostic and the operative points of view. Winter Quarter only, Tuesday and Thursday mornings.

Demonstrations and Seminars. Using dissections already prepared, weekly demonstrations of selected regions or systems are made by the members of the group. A special feature is the seminar which follows each demonstration. Spring Quarter—Two hours per week by arrangement. Second year in groups of 10.

Special Neuro-anatomy. Laboratory work and conferences upon selected portions of the human central nervous system. Winter Quarter—Tuesday and Thursday mornings—plus one additional (conference) hour per week—limited to six Junior and Senior students.

Brain Modeling. Free hand reconstruction in clay, from gross and sectioned material, of the chief tracts and nuclei of the human brain stem. A two-quarter course, Winter and Spring Quarters. Tuesday and Thursday mornings—4 to 10 students.

Advanced Neuro-anatomy. Laboratory work and conferences upon certain structural details of the nervous system and the eye and ear. Spring Quarter. Tuesday and Thursday mornings—4 to 10 Junior and Senior students.

Experimental Neurology. An operative and laboratory study of the effect of various lesions upon the central and peripheral portions of the

nervous system. Spring Quarter. Tuesday and Thursday mornings—4 to 8 students. Prerequisite—operative surgery.

Advanced Studies in Anatomy. Further work in the several branches of anatomy may be arranged at any time. Prospective candidates for such work should discuss their wants with the member of the Staff in charge of the particular field in which work is requested, because only a small number can be accommodated at any one time. A few properly qualified students may be permitted to undertake original research under the direction of various members of the Staff.

BIOCHEMISTRY

The *required* course in general biochemistry for first-year students is given in the Autumn and Winter Quarters. One morning each week in the Autumn Quarter is devoted, in discussion groups, to the correlation of the fundamental facts and theories of physical and organic chemistry with the chemistry of living organisms. In the Winter Quarter three lectures and four laboratory periods per week, supplemented by systematic reading and weekly conferences in small groups, are devoted to a more intensive study of the chemistry of the physiological processes of digestion and absorption, circulation and respiration, acid-base and salt equilibrium, metabolism including quantitative urine and blood analyses.

Since the success of the students in this course is largely determined by the adequacy and ready availability of their premedical training, it is urged that all students review the fundamental laws, theories, and facts of chemistry before the beginning of the course. A circular outlining the topics requiring special attention is sent to all students upon admission. Additional copies of the circular may be obtained from the Dean's Office. An examination to test the state of preparation of the student is given in the beginning of the course in biochemistry.

Electives. In connection with the course given in the Spring Quarter for second-year students a survey of pathological and clinical chemistry is presented. In this course are covered abnormalities of: protein, fat and carbohydrate metabolism, acid-base regulation, salt and water distribution, nitrogen retention, calcium and phosphorous metabolism, blood and derived bile pigments. The discussion of these topics is based upon case histories, including the records of the Clinical Chemical Laboratory of the Hospital.

Biochemical Research. The facilities of the department, including various types of research equipment and the clinical material of the blood chemistry laboratory, are available to properly qualified students for independent or supervised investigations. Chemical investigations of problems in biochemistry or in conjunction with the clinical departments and the Department of Pathology may be carried on.

Seminar in Toxicology. A round-table discussion of the homicidal, suicidal and industrial poisons, alcoholism, etc. Autumn or Spring Quarters by arrangement.

Laboratory Detection of Common Poisons. A laboratory course in the properties, detection, and identification of the common poisons. Consideration is given to the types of material to be examined, legal precautions to be taken and interpretation of the findings. Autumn or Spring Quarters by arrangement.

Chemistry of the Colloidal State. A two-hour seminar is given weekly throughout the Autumn, Winter, and Spring Quarters.

PHYSIOLOGY, PHARMACOLOGY, AND NUTRITION

The *required* courses consist of: (a) a lecture course in physiology, (b) a lecture course in pharmacology, (c) a lecture course on the elements of nutrition, supplemented by demonstrations of some biological and chemical methods employed in nutrition studies, (d) a laboratory course in physiology and pharmacology, and (e) a seminar in which the problems arising in the laboratory and in the student's reading are discussed.

Elective courses covering particular aspects of these subjects, including pathological physiology and research in special fields, are available.

Research. A few properly qualified students are permitted to undertake original research in physiology, pharmacology or nutrition under the direction of various members of the Staff.

PATHOLOGY

The *required* course in general pathology for second-year students is given in the Autumn and Winter Quarters. The class is divided into small groups, one instructor and an assistant being assigned to each group. For the purpose of teaching the gross pathological alterations of tissue, the museum material, which consists of complete cases preserved as units, has been classified into well-organized groups, such as obstructions, diseases due to animal parasites, tumors, etc., each group of materials being placed in a separate laboratory. The various student groups work with these groups of material in rotation. The microscopic aspects of pathological processes are studied by the students at the same time the gross pathological features of the disease are being considered. Physiological, chemical and bacteriological phases of the various disease processes are presented to the student by constant reference to the autopsy protocols and clinical studies of the cases which are being considered by the groups, and by visits to the hospital wards. Once each week a clinic is presented for the class; the subjects of the clinics are cases from the Hospital which illustrate pathological processes being currently studied. Lectures on general subjects of wide application are given in co-ordination with the museum case studies. Attendance at autopsies is required of the students of the second year, the class being divided into small groups which are called in turn. The group members are required to follow all studies of the cases which they see and to prepare their own complete records. Cases thus prepared are presented by the students before the entire class under the direction of the Staff.

Elective courses in pathology in the Spring Quarter are available for a limited number of students who have completed the course in general pathology. Research facilities are provided in the department for students who are competent to undertake investigation.

On Fridays at 5 P.M., during the Autumn, Winter, and Spring Quarters, a clinical-pathological conference is held in co-operation with the staffs of the clinical departments. While this conference is designed especially for the Hospital Staff, it is open to all members of the medical profession, and attendance is expected of second year, Junior and Senior students. A gross diagnostic clinical-pathological conference on current autopsies is held weekly in collaboration with the clinical departments. This conference is required of the students of the third and fourth years.

BACTERIOLOGY AND PARASITOLOGY

Bacteriology, Mycology, Immunology, and Parasitology. The required course is given in the Autumn Quarter of the second year. An intensive study is made of the common bacteria, fungi, and parasites which cause disease in man. The scope of the laboratory course is reasonably wide and acquaints the student with all the methods and procedures employed in bacteriological laboratories. Most of the lecture time is devoted to the immunological and epidemiological aspects of infection. The instruction is designed to give the students a clear conception of: (1) how organisms gain entrance to the body, (2) the type of poisons which they produce, (3) the nature of immune bodies which are produced by the host, and (4) the methods of preventing the disease by active and passive immunization.

Research Bacteriology. Opportunities for original investigations are afforded a few specially qualified students.

Clinical Bacteriology. During their clinical clerkships on medicine (one quarter each for Junior and Senior classes), the students may perform the routine and special bacteriological work for the patients assigned to them on the teaching service, under the direction of the Department of Bacteriology and in parallel with the Biological Division of the medical clinics.

MEDICINE

Clinical Microscopy is given in the Winter Quarter of the second year. The course includes the essentials of hematology and the examination of fresh material, such as urine, stools, spinal fluid, sputum, transudates and exudates. The most important parasites of man are studied by the use of fresh and museum material. Second-year and Senior students are given opportunities for special work and for investigation.

Physical Diagnosis and Introduction to Clinical Medicine. This course, in the Spring Quarter of the second year, consists of instruction in history taking, physical examination, and the application of the preclinical sciences to the interpretation of findings. All departments, preclinical and clinical, including the specialties, participate. The importance of co-

operation between clinic and laboratory is emphasized, and the preclinical departments extend the teaching of their particular branches in correlation with other preclinical and clinical studies. In this manner the course serves as an introduction to clinical medicine. The class is divided into sections of not more than ten students, and each student is given individual instruction.

Junior Medicine. Junior students are assigned in small groups for one quarter to the medical wards as clinical clerks. Teaching rounds are held from 8:30 to 9:30 A.M., on Mondays, Wednesdays, and Fridays. During the Autumn, Winter, and Spring Quarters, medical clinics are given on Mondays, Wednesdays, and Saturdays at 11:30 A.M., and on Wednesdays, during the Summer Quarter.

Therapeutics. Each group of Junior students receives practical instruction in *pharmaceutics* under the guidance of an instructor in Pharmacy. On Tuesdays and Thursdays from 1:30 to 2:30 P.M. bedside instruction is given in *applied pharmacology and therapeutics* to the group on Junior Medicine.

Senior Medicine. Senior students are assigned for one quarter to the Dispensary as clinical clerks. Teaching rounds are held from 9:30 to 11:30 A.M. on Mondays and Fridays. Seniors attend medical clinics on Mondays, Wednesdays, and Saturdays at 11:30 A.M.

Cutaneous Medicine and Syphilology. Instruction is offered each quarter to Senior students consisting of lectures, seminars, and study and treatment of patients.

Neurological Medicine. A sound understanding of neurological diseases is an essential equipment of every physician. Junior students are assigned neurological cases routinely during their service as medical clinical clerks. An elective course consisting of advanced bedside teaching in clinical neurology is offered for three quarters to Senior students. The Laboratory of Experimental Neurology is available for postgraduate investigative work; this laboratory handles routinely the neurosurgical biopsy material including intracranial tumors. An electro-encephalograph is in routine clinical use in both neurology and neuropsychiatry and is available for special research problems.

NEUROPSYCHIATRY

Instruction is started in the second year with a course that covers psychobiology. This course is concerned with the modern conception of personality, its neurophysiological bases, the growth, development and traits of the individual, normal and abnormal. The students are trained in neuropsychiatric method and examination, and they write a life history, applying those methods to themselves. The problems of intelligence, intelligence testing, and mental deficiency are discussed. Instruction in neuropsychiatry for Junior and Senior students is continued by weekly lecture-clinics during Autumn, Winter, and Spring Quarters. The didactic work in neuropsychiatry is supplemented by clinics and by the student's actual experience in handling such psychiatric problems as occur

on the wards and in the out-patient clinic. Juniors serve as clinical clerks on the psychiatric ward, and Seniors are assigned to the out-patient clinic. In addition, clinics are held in the North Carolina State Hospital, Raleigh, N. C. Elective work is offered to students who are especially interested. Before graduation it is sought to give the student a workable conception of the individual as a whole, the psychobiological unit, that may be applied in practice.

SURGERY

General Surgery. In the Spring Quarter the second-year students, during their course in physical diagnosis, attend clinics and demonstrations arranged to familiarize them with the techniques of examinations and the diagnostic procedures used in general surgery and the surgical specialties. Emphasis is placed on the more practical and commonly used methods.

During the Autumn, Winter, Spring, and Summer Quarters, at 11:30 A.M. on Tuesdays and Fridays, and during the Autumn, Winter, and Spring Quarters at 9:30 A.M. on Saturdays, clinics in surgery and the surgical specialties are held for Junior and Senior students. The *Junior* students, during their surgical quarter, attend ward rounds in surgery from 8:30 to 10:30 A.M., on Mondays, Wednesdays, and Fridays, act as clinical clerks on the wards, avail themselves of the electives offered and attend the regular clinics. The surgical group in the *Senior* year attends ward rounds from 8:30 to 10:30 A.M. on Mondays, Wednesdays, and Fridays, the regular clinics and the electives offered, and assists in the surgical dispensary in the afternoons. Individuals may take any of the electives offered.

An *elective* course in operative surgery is given in the experimental laboratory from 8:30 to 11:30 A.M. on Tuesdays and Thursdays during the Autumn and Spring Quarters. The group is divided into operating teams, and each student takes his turn serving as the operator, first assistant, and anesthetist. During the Winter Quarter special work in experimental surgery may be arranged by conference with the instructor. The purpose of this course is to teach the basic principles of aseptic surgery, anesthesia, and the technique of operations illustrating various types of surgery, the operative procedures being of gradually increasing difficulty.

An *elective* course in emergency and traumatic surgery is given each quarter. In groups of two, each week, Junior or Senior students are on call in the emergency room for all accidents and emergencies. Opportunity is given to observe and assist in the treatment of accident cases and in the diagnosis of acute abdominal emergencies. Lectures, twice each week during the Winter Quarter, supplement this course.

An *elective* course in anesthesia is open to four properly qualified Senior students each quarter. Students meet the anesthetist each morning in the operating room and observe and administer anesthetics under supervision.

Ophthalmological Division. During the Spring Quarter second-year students receive instruction in elementary ophthalmology. During the Junior obstetric quarter the students are assigned to the ophthalmological clinic on Tuesday and Friday afternoons for five and one-half weeks, and assist in the study and treatment of eye diseases. Especial emphasis is placed on the underlying medical and surgical conditions. Each student follows throughout his time in the clinic all patients assigned to him. For those who manifest an unusual interest in this specialty, provision will be made for more advanced work. Each quarter an elective is given one hour a week, which includes anatomy, physiology, refraction, muscle imbalance, neuro-ophthalmology, ocular pathology, and the use of diagnostic instruments.

Orthopaedic Division. In the Spring Quarter of the second year an introductory course is given. During the surgical quarters the Junior and Senior students attend ward rounds at 8:30 A.M. on Mondays and Fridays. Clinics are held during the Autumn Quarter on Friday at 11:30 A.M. for Juniors and Seniors. Students in their Senior Surgical Quarter are assigned in rotation to the orthopaedic dispensary which is held each afternoon from Monday to Friday inclusive. An *Elective Course* in the treatment of fractures is offered during the Junior and Senior Surgical Quarters on Friday morning from 9:30 to 11:30. In this course the students get practical training in the application of plaster of paris casts and in the follow-up treatment of fractures. Elective courses in orthopaedic pathology, roentgenology and physiotherapy are offered to Junior and Senior students. Arrangements may be made for students who wish to do research or experimental work. At 813 Fifth Street, the orthopaedic department conducts a special clinic for the treatment of cerebral palsy. The clinic has a bed capacity of twelve and is staffed with a specially trained physiotherapist, a schoolteacher, and an administrative officer. Interested students are welcomed at any time. Students are given the opportunity of attending the North Carolina Orthopaedic Hospital Clinic at Goldsboro the third Thursday of each month. They may also attend similar clinics held in Lumberton the first Friday of each month and at Elizabeth City the last Tuesday of each month and in Tarboro the Monday before the last Tuesday of each month.

Otolaryngological Division. An introductory course of instruction in the use of otolaryngological instruments, with a review of normal anatomy, is given to second-year students in the Spring Quarter. Clinics on Fridays at 11:30 A.M. during the Spring Quarter are given to Junior and Senior students; Junior students during their obstetric quarter spend two afternoons for five and one-half weeks in the otolaryngological dispensary. There are no formal otolaryngological ward rounds, but Junior and Senior students are assigned to patients during the surgical quarter. Individual instruction is given the student by the various members of the Staff. Each quarter an elective course in ear, nose and throat is given. This course includes anatomy, physiology, diseases of ear, nose and throat. X-ray interpretation and the use of diagnostic instruments.

Urologic Division. In the Spring Quarter, second-year students are given a course of lectures and practical demonstrations in urologic physical diagnosis in the normal individual. Ward rounds on urologic patients are given every Saturday at 8:30 A.M., throughout the year, which Junior students in their surgical quarter, and the Senior surgical group are required to attend. During each quarter, small groups are selected from the Senior surgical group of students and assigned in rotation to the urologic dispensary every afternoon. Here, under proper supervision, they study patients and give recommended treatment. During one and a third quarters of the year urologic clinics are given on Fridays at 11:30 A.M. for the Junior and Senior classes. These clinics deal with the affections of the male and female urinary tract and of the male genital tract. Clinics for urethroscopic and cystoscopic investigation and the more technical methods of urologic diagnosis and treatment are held Monday, Wednesday, and Thursday from 1:30 to 5:00 P.M. and Tuesdays and Thursdays from 9:30 A.M. to 12:30 P.M., and from 1:00 to 5:00 P.M. throughout the year. X-ray conferences on all urologic cases are held Tuesday, Thursday, and Saturday mornings from 8:30 to 9:30 and are followed by Staff rounds. Three Senior students may select one of these cystoscopic clinics, X-ray conferences, and Staff rounds as an elective. *The Urologic Journal Club* meets each Monday from 4:30 to 6:30 P.M., and members of the Staff review their respectively assigned journals. Interested students are welcomed.

Neurosurgical Division. During the Autumn, Winter, Spring, and Summer Quarters, at 11:30 A.M., on every third Tuesday, neurosurgical clinics are held for Junior and Senior students, at which the general principles of neurosurgical diagnosis and treatment are discussed. During all four quarters, weekly ward rounds are held at 8:30 A.M. on Wednesdays for the Senior Surgical group. Emphasis is placed in these smaller clinics upon the recognition of neurosurgical problems, followed by observation of the operative and post-operative procedures. Weekly X-ray and pathological conferences are held, and these may be attended by interested individuals.

The Tumor Clinic of the Duke Hospital was organized in 1935 for the study and student teaching of malignant disease. It is staffed by a surgeon, radiologist, and pathologist, who attend all clinics, and consultants in the various specialties are called when a patient with a malignant tumor in their field is registered in the clinic. Students in their fourth-year surgical quarter see all cases registered in the clinic and work them up and have available for teaching not only the clinical background of the Staff but also pathological sections of tumors under the study of the pathologists. From June, 1939, to July, 1940, there were 1,125 old patients and 517 new patients seen in the Tumor Clinic.

Dentistry. Second-year students, in the Spring Quarter, are instructed in the principles of dentistry.

RADIOLOGY

A course with especial reference to differential diagnosis and X-ray and radium therapy is given during the Senior surgical quarter. Instruction in radium and X-ray therapy is given the Senior students each quarter in the tumor clinic. An elective course in X-ray differential diagnosis is given to a limited number of students each quarter.

OBSTETRICS AND GYNECOLOGY

Second-year students receive seventeen hours of instruction in the fundamentals of obstetrics and gynecology during their course in physical diagnosis in the Spring Quarter. Clinics and demonstrations for Junior and Senior students are held on Saturdays at 10:30 A.M. during the Autumn, Winter, and Spring Quarters and on Mondays at 11:30 A.M. in the Summer Quarters. During one quarter of the *Junior* year each group of students attends ward rounds at 8:30 A.M. on Mondays, Wednesdays, and Saturdays, and the Public Dispensary at 1:30 P.M. three times weekly, except Saturdays, Sundays, and holidays for eleven weeks. They also attend an endocrine clinic once a week for eleven weeks during the Junior year. The students also spend part of each day on the wards. *Senior* students, during their surgical quarter, have ward rounds on obstetrics and gynecology on Saturdays at 8:30 A.M. Each *Senior* student, during his specialties quarter, is required to spend two weeks on service with the Outside Obstetrics Training Group at Charlotte, N. C. This group is active in the antepartum care, in the delivery of the patients, and in the postpartum care of patients registered by the Maternity Clinic of that city. The group is under the direction of a trained obstetrician.

Elective courses in the diagnosis and treatment of obstetric and gynecologic conditions are offered for Junior and Senior students.

PEDIATRICS

Each *second-year* student receives nine hours of instruction in elementary pediatrics during the course in physical diagnosis in the Spring Quarter. *Junior* and *Senior* students, during their medical quarters, have pediatric ward rounds on Saturdays from 8:30 to 9:30 A.M. The *Senior* students are divided into three groups, each of which spends one quarter in pediatrics. During this quarter, they are assigned daily as clinical clerks on the children's ward, nursery and pediatric dispensary, attend ward rounds at 8:30 A.M. on Mondays, Wednesdays, and Fridays, are instructed in the practical nursing of infants by Miss Sherwood on Mondays and Wednesdays at 9:30 A.M., and are taught the preparation of diets for infants and children by the Professor of Dietetics. Each student attends six infant feeding clinics during this quarter. On Thursdays at 11:30 A.M., the Junior and Senior students attend demonstrations at which the preclinical basis, as well as the clinical aspects, of disease are emphasized. *Elective courses: Senior students* may attend the feeding

clinic on Tuesdays at 9:00 A.M., assist in the treatment of pediatric patients in the syphilis clinic on Thursdays at 9:00 A.M., do research work, or assist in the pediatric ward or dispensary one or more mornings per week, according to the time at their disposal.

LEGAL MEDICINE AND TOXICOLOGY

This course embraces a discussion of the relation of physicians to legal criminal procedures, jurisdiction of the coroner and medical examiner, laws governing the dead human body, personal identity of the living and the dead, the legal autopsy, traumatic injuries and fractures, rape, abortion, asphyxial death, homicidal, suicidal, and industrial poisoning, alcoholism, the examination of blood, stains, fibers, and the detection of malingering. The course is open to Junior and Senior students, and is given in alternate years. Discussions of medico-legal problems for the House Staff and Senior students, and joint conferences of the medical and law students also are held.

PREVENTIVE MEDICINE AND PUBLIC HEALTH

Public Health and Hygiene. A lecture course is given in the second year to acquaint the students with general environmental sanitation including sewage disposal, water supplies, milk and food for rural and urban communities. Vital statistics, public health regulations, and various official public health organizations also are discussed. Exercises in the epidemiology of several diseases are introduced to give the student a broad view of disease and its prevention. *Field Demonstrations.* Visits for observation and instruction are made to state, county, and city health departments, infant and school hygiene clinics, dairies, public water supplies, sewage disposal plants and industrial establishments. Seminars are held in which the students discuss the various problems encountered in their field experience. *Preventive Medicine.* A series of lectures and exercises is given during the Senior year to provide students with the preventive point of view in the practice of medicine. The problems of infant and maternal hygiene, occupational diseases, the deficiency states, and the etiology, transmission, epidemiology and prevention of communicable diseases are considered. Emphasis is placed upon the relationship of the private practitioner of medicine to the public health program. *A Laboratory Course* is given in the Autumn Quarter of the second year by the Department of Bacteriology, and consists of the identification and virulence testing of diphtheria cultures, the isolation of stool, throat and blood organisms, the practical examination of water, Schick, Dick and tuberculin tests, and vaccination against typhoid and smallpox. *Elective:* Through the co-operation of several city and county health officers, students may spend one or more weeks in observing and assisting in the operation of these public health units. Junior and Senior students may elect one month's Fellowship in Public Health in Michigan offered by the Kellogg

Foundation, if they have permission from the head of the department of the quarter concerned and make up the time afterward.

CURRICULUM OF THE SCHOOL OF MEDICINE

The usual four medical school years of thirty-three weeks each may be condensed into three and one quarter calendar years. In the preclinical subjects three terms, and in the clinical subjects four terms, each of eleven weeks, are given during the year, and a certificate is granted after the satisfactory completion of twelve terms. These may be taken consecutively (certificate in three and one quarter years) if the student's previous work has been outstanding and if he has been given permission by the Curriculum Committee; or three terms may be taken each year (certificate in four years). Such a curriculum will affect in no way the course at any other medical school. If students who have received their first two years of training at other medical schools wish to spend their clinical years at the Duke University School of Medicine, they are eligible in October for the seventh quarter, which corresponds to the beginning of the usual Junior Class (see page 265).

Every effort is made to emphasize the close relationship of preclinical and clinical instruction. Members of the Clinical Staff assist in the teaching of preclinical subjects, and demonstrate to the students of the first two years, patients whose conditions illustrate the subjects being taught. Thus, from the student's first days, he is impressed with the interdependence of all branches of the medical science. During the sixth quarter every department of the School participates in a correlation course, which combined with the teaching of physical diagnosis, serves to give the student just entering his clinical years a co-ordinated introduction to medicine in all its aspects. In the Junior and Senior years, preclinical instructors assist the Clinical Staff in presenting the underlying basis of disease.

Sixteen per cent of the time in this curriculum is free for elective work or anything else which the student wishes to do. No credits are given for specific courses during this free time. The opportunity merely is provided for each student, on his own initiative, to obtain the additional training which he may feel to be necessary or desirable. It is hoped that many of the students will migrate to other medical schools in this country for one quarter, a practice which is encouraged. The students also may utilize their free time in elective courses in preclinical and clinical departments and may pursue independent work in any subject or may do research work. The elective courses have been organized for small groups and will be repeated, if necessary, in one or more quarters. Students who wish to study during the Summer Quarter, either here or elsewhere, to spend one or more quarters at other medical schools or to substitute a program different from that listed below, must obtain permission, in advance, from the Curriculum Committee.

CURRICULUM OF FOUR QUARTERS OF ELEVEN WEEKS EACH

(The hours for these courses will be posted on the bulletin board.)

FIRST YEAR

AUTUMN QUARTER (1st):

October 3 to December 21, 1940.

Anatomy (including histology and neuro-anatomy)	385	Hours
Biochemistry	44	Hours

WINTER QUARTER (2d):

January 2 to March 15, 1941.

Anatomy (including histology and neuro-anatomy)	165	Hours
Biochemistry	176	Hours
Free time	88	Hours

SPRING QUARTER (3d):

March 24 to June 7, 1941.

Physiology and pharmacology, including nutrition	330	Hours
Free time	99	Hours

SECOND YEAR

AUTUMN QUARTER (4th):

October 3 to December 21, 1940.

Pathology	198	Hours
Bacteriology and Parasitology	150	Hours
Introduction to Neuropsychiatry	11	Hours
Free time	70	Hours

WINTER QUARTER (5th):

January 2 to March 15, 1941.

Pathology	183	Hours
Clinical microscopy	110	Hours
Public health and hygiene	37	Hours
Free time	99	Hours

SPRING QUARTER (6th):

March 24 to June 7, 1941.

Physical diagnosis and introduction to clinical medicine	300	Hours
Free time	129	Hours

JUNIOR YEAR

SUMMER QUARTER (7th):*

June 16 to August 30, 1941.

Medicine (Junior)	385	Hours
Free time	44	Hours

AUTUMN QUARTER (8th):*

October 3 to December 21, 1940.

Surgery (Junior)	418	Hours
Free time	11	Hours

WINTER QUARTER (9th):*

January 2 to March 15, 1941.

Obstetrics and gynecology (Junior)	220	Hours
Ophthalmology and Otolaryngology	66	Hours
Free time	143	Hours

* The clinical instruction is repeated each quarter in order to utilize all the clinical material and to have small groups of students. Consequently, students may vary the order of the seventh, eighth, and ninth quarters, and also the order of the tenth, eleventh, and twelfth quarters. Students who do not attend the Summer Quarters, have similar instruction one quarter later. The above schedule merely illustrates the program of one group.

SENIOR YEAR

SPRING QUARTER (10th) :*

March 24 to June 7, 1941.

Medicine (Senior)	390 Hours
Free time	39 Hours

SUMMER QUARTER (11th) :*

June 16 to August 30, 1941.

Surgery (Senior) including Urology and Orthopaedics	309 Hours
Obstetrics	120 Hours

AUTUMN QUARTER (12th) :*

October 2 to December 20, 1941.

Pediatrics	191 Hours
Medicine	82 Hours
Final clinical examinations	24 Hours
Preventive medicine	22 Hours
Free time	110 Hours

SUMMARY

Total number of hours required instruction, (84%)	4,316
Total number of hours of free time, (16%)	832
Total number of hours in curriculum, (100%)	5,148

FEES AND EXPENSES

All fees for each quarter are due and payable at the beginning of each quarter, and no student will be admitted to classes until these fees have been paid at the University Treasurer's Office. A fine of \$5.00 is charged for late registration. No credit will be given for any quarter in which the tuition of \$150 has not been paid at the Treasurer's Office, whether the work has been done here or elsewhere, except that students who have been permitted by the Curriculum Committee to spend a quarter at another medical school or hospital may subtract the amount of tuition paid at this other medical school or hospital from the \$150 due here for that quarter.

It is not advisable for a student to attempt outside work to defray his expenses; the results usually are disastrous to his health and academic standing.

Fees and Expenses

Tuition, per quarter	\$150	
Health Fee, per quarter	3.33	
Athletic Fee, admitting students to all athletic contests held on the University campus during the quarter	5	
Room-rent, per quarter* (estimated)	50	
Board, per quarter (estimated)	75	
Laundry, per quarter (estimated)	10 to	20
Books, per quarter (estimated)	25 to	50
Commencement and Diploma Fees**		8
National Board of Medical Examiners Fees** \$25 (Part I), \$20 (Part II)		
Microscope, ophthalmoscope, otoscope and other equipment, which are required of each student and which must conform to rigid standards, may be obtained on a rental basis from the University	20 to	30
Estimated total expenses, per month	115 to	150

ANGIER B. DUKE MEMORIAL AND OTHER LOAN FUNDS

The Angier B. Duke Memorial, Incorporated, administers through an advisory committee of the officers of the University a loan fund for students. In addition, the University administers other endowed loan funds for the benefit of students who are not financially able to meet their expenses. Medical students, after their third quarter, are eligible for loans from these sources. As the amount of money available is limited, loans are restricted to outstanding students who cannot borrow elsewhere. No scholarships are awarded in the School of Medicine. The loan funds are administered in accordance with the following regulations:

* Rooms may be reserved by medical students in Few Quadrangle. These rooms are provided with furniture, heat, electric light, and care of rooms; each student furnishes his own blankets, sheets, pillow-slips, towels, and pillows. Applications for rooms, accompanied by a reservation fee of \$25, should be made before August 1, by writing to Mr. W. E. Whitford, Duke University, Durham, N. C. This fee is deducted from the room charges for the Autumn Quarter; it is not refundable unless the request is made before August 1.

** Payable at the beginning of the quarter in which a student is eligible for a degree or examination.

1. No loan will be made to a student who violates any of the regulations of the University or who is not doing outstanding class work.

2. Loans will be made only to students who are taking full courses of study that lead to a degree, and all loans must be arranged not later than one week after the beginning of a quarter.

3. Every applicant for a loan must present with the application such security as the President of the University may approve, and no money will be advanced before a note with approved security is in the hands of the Treasurer of the University.

4. Interest at the rate of 6 per cent annually shall be charged for all loans of money, and the interest must be paid annually.

5. All requests for loans must be submitted before June 1 of the preceding year.

RESEARCH FELLOWSHIPS

The Lederle Laboratories Research Fellowship, in the Department of Biochemistry, held by Dr. Hans Neurath.

The James A. Greene Brucella Research Fellowship, in the Department of Medicine, held by Dr. Bowman Wise.

The Lederle Fellowship, in the Department of Surgery, held by Dr. Alton R. Taylor.

The Ciba Pharmaceutical Products Research Fellowship in Endocrinology, held by W. Kenneth Cuyler.

The Dorothy Beard Research Fellowship, in Experimental Surgery, held by Dr. D. Gordon Sharp.

The National Cancer Institute Fellowship, in the Division of Roentgenology, held by Dr. James G. Whildin.

Research Fellowship in Endocrinology, held by Dr. Roscoe L. Pullen.

The Anna H. Hanes Research Fellowship, in the Department of Medicine, held by Dr. Elijah E. Menefee, Jr.

The Robert M. Hanes Research Fellowship, in the Department of Medicine, held by Dr. William Schulze.

MEMORIAL CHAIR OF MEDICINE AND MEDICAL RESEARCH

The Florence Reynaud McAlister Chair of Medicine and Medical Research was established and endowed in 1936 by Mrs. Amelie McAlister Upshur, in memory of her sister.

THE SCHOOL OF NURSING

1940-1941

ANNOUNCEMENTS FOR 1941-1942

CALENDAR

1940

- Oct. 2. Wednesday—Autumn Quarter begins.
Nov. 28. Thursday: Thanksgiving: a holiday.
Dec. 20. Saturday—Autumn Quarter ends.

1941

- Jan. 6. Monday—Winter Quarter begins.
March 22. Saturday—Winter Quarter ends.
March 24. Monday—Spring Quarter begins.
April 14. Easter Monday: a holiday.
June 2. Monday—Commencement.
June 7. Saturday—Spring Quarter ends.
June 16. Monday—Summer Quarter begins.
July 4. Friday—Independence Day: a holiday.
Aug. 30. Saturday—Summer Quarter ends.
Oct. 2. Thursday—Autumn Quarter begins.
Nov. 20. Thursday—Thanksgiving: a holiday.
Dec. 20. Saturday—Autumn Quarter ends.

OFFICERS OF ADMINISTRATION

*WILLIAM PRESTON FEW, A.B., A.M., Ph.D., Litt.D., Ed.D.,
L.H.D., LL.D.

President of the University

**ROBERT LEE FLOWERS, A.M., LL.D.

President of the University

WILLIAM HANE WANNAMAKER, A.B., A.M., Litt.D.

Vice-President

CHARLES BLACKWELL MARKHAM, A.B., A.M.

Treasurer

MARGARET ISABEL PINKERTON, R.N., B.S.

Dean of the School of Nursing

* Deceased, October 16, 1940.

** Elected January 29, 1941.

GENERAL INFORMATION

The School of Nursing of Duke University was established in 1925 in connection with the School of Medicine of the University and Duke Hospital through the munificent gift of the late James B. Duke.

The plan of the School is to give a sound basic course in Nursing Education which will prepare young women to give intelligent nursing care to the sick in hospitals and homes of the community as well as an introduction to the problems of community health and preventive medicine.

FACILITIES FOR INSTRUCTION

The facilities for instruction include the undergraduate colleges of the University, the School of Medicine, and the Duke Hospital.

LIBRARIES

The reference library of books and periodicals of special interest to students majoring in nursing is located in the Hospital Library. An auxiliary library, which is used chiefly by freshman students, is in the Nurses' Residence. The students may use the general libraries on both campuses.

RESIDENCE

The students are housed in the fireproof residence located near the Hospital. It is adequately equipped with blankets and linen, making further provision by the student unnecessary.

HEALTH REGULATIONS AND PHYSICAL EDUCATION

The School has general supervision of the student's health. All physical defects, such as defective vision, dental needs, etc., must be corrected before admission to the School. The student must have been immunized against typhoid fever, and vaccinated against smallpox during the current year. All students are required to pass a physical examination before admission to the School of Nursing and at intervals thereafter, a final examination being given at the end of the course. Exercises for two periods a week during the first two quarters are required of all students.

ACTIVITIES OFFERED

Autumn Quarter (October to December): Hockey, swimming, tennis, moderate sports, and hiking.

Winter Quarter (January to March): Informal gymnastics, Danish gymnastics, apparatus, games, individual gymnastics, folk dances, clogging, interpretative dancing, swimming, and basketball.

Spring Quarter (March to June): Tennis, swimming, baseball, track, field events, and archery.

ADMISSION REQUIREMENTS

Application forms may be obtained by writing to the Dean, Duke University School of Nursing, Durham, North Carolina. They must be typed, a 2 x 2½ inch recent photograph attached, and the application returned to the Dean as soon as possible. Applications are considered in the order received. If the information is satisfactory, a personal interview with the Committee or a Regional Representative will be arranged for the applicant. The candidate is notified as soon as possible whether she has been accepted or declined; if accepted, the student must send in a deposit of twenty-five dollars (\$25) within two weeks to insure enrollment. This money is applied toward her tuition. Students are admitted only at the beginning of the Autumn Quarter, but applications are considered, and a decision with regard to Admission is made after January 1 of that year. Students are matriculated in the School of Nursing on September 30, 1941. The applicant must be eighteen years of age.

The requirements for admission for 1941 are as follows: The completion of four years of acceptable high-school work, which must include one year of chemistry and one year of another science, preferably biology. Preference will be given to applicants who have completed one or more years of work in an accredited college.

TUITION

A yearly tuition fee of \$100.00 is required, first year \$25.00 upon acceptance by the School, \$25.00 upon registration, and \$50.00 on January 1. The second and third years, \$50.00 on October 1 and \$50.00 on January 1. There will be a refund of \$25.00 to students who leave the School within one month of registration. The tuition includes room, board, laundry, uniforms, and all of the textbooks. Estimated additional expenses for the first year are \$10.00, for the second \$5.00, and for the third year \$5.00.

SCHOLARSHIPS

The School of Nursing does not offer the Bachelor of Science degree, but three scholarships of \$500 each will be awarded to finishing students showing marked ability, to enable them to continue their work in Nursing Education.

READMISSION

Students who are absent for more than one month through illness or leave of absence may be readmitted to the same or a succeeding class at the discretion of the Committee.

VACATIONS

Each year is divided into four quarters of three months each. The first-year students have vacations of two weeks at Christmas and two weeks during the summer. Junior and Senior students have vacations of one month each.

COURSES OF INSTRUCTION

This is a condensed description of courses. For a full description, see Bulletin of the School of Nursing.

Anatomy and Physiology.	DR. YOUNGSTROM, DR. KOHN, MISS RANDOLPH
Chemistry.	DR. TAYLOR, MISS RANDOLPH
Bacteriology.	DR. CONANT, MISS RANDOLPH
Elementary Materia Medica and Pharmacology.	MISS RANDOLPH
Advanced Materia Medica.	MISS RANDOLPH
Elementary Psychology.	DR. LUNDHOLM
Applied Psychology.	MISS SCHMITT
Professional Adjustments I.	MISS PINKERTON
Professional Adjustments II.	MISS RANDOLPH, MR. J. BRADWAY
History of Nursing.	MISS RANDOLPH
Nursing Arts I.	MISS BURNHAM
Nursing Arts II.	MISS BURNHAM
Nursing Arts III.	MISS BURNHAM, AND SUPERVISORS
Nursing Care Plan.	MISS VAN BLARCOM
Senior Demonstration.	MISS BURNHAM, AND SUPERVISORS
Nutrition, Foods, and Cookery.	MRS. MARTIN
Dietetic Therapy.	MRS. MARTIN
Sociology.	MISS RANDOLPH
Social Service.	MISS RANDOLPH, MISS PHILLIPSON
Introduction to Community Health.	MISS RANDOLPH
Preventive Medicine and Public Health.	DR. BROWN, AND ASSISTANTS
Medical Diseases and Medical Nursing.	DR. HORACK, MISS VAN BLARCOM
Dermatology.	DR. CALLAWAY, MISS VAN BLARCOM
Neurology and Psychiatry.	DR. LYMAN, MISS SCHMITT
General Surgical Diseases and Surgical Nursing.	DR. SEALY, MISS THOMAS
Operating Room Technique.	MISS BATCHELDER
Orthopedics.	DR. RANEY, DR. LENOX BAKER, MISS THOMAS
Urology.	DR. ALYEA, MISS THOMAS

Otology, Rhinology, and Laryngology.	DR. EAGLE, MISS RANDOLPH
Ophthalmology.	DR. ANDERSON, MISS RANDOLPH
Gynecology and Gynecological Nursing.	DR. CARTER, MISS WENRICH
Obstetrics and Obstetrical Nursing.	DR. CARTER, MISS WENRICH
Pediatrics and Pediatric Nursing.	DR. MCBRYDE, DR. ARENA, MISS SHERWOOD
Communicable Diseases.	DR. HARRIS, MISS VAN BLARCOM
X ray.	DR. REEVES, MISS VAN BLARCOM
Dental Hygiene.	DR. ATWOOD, MISS VAN BLARCOM
Allergy.	DR. HANSEN-PRÜSS, MISS VAN BLARCOM
Physical Therapy.	MISS GORDON
Posture.	MISS GORDON

CURRICULUM

FIRST YEAR

Autumn Quarter

	Hours		
	Lect., Class	Lab.	Total
Anatomy and Physiology	49	52	101
Chemistry	33	22	55
History of Nursing..	33		33
Elem. Psych.	22		22
Introd. to Commun. Health	22		22
Nursing Arts I.....	22	22	44
Posture	3	8	11
Prof. Adj. I.....	11		11
	195	104	299

Winter Quarter

	Hours		
	Lect., Class	Lab.	Total
Nursing Arts II.....	44	55	99
Bacteriology	22	22	44
Elem. Materia Medica	22	11	33
Nutrition, Foods, and Cookery	22	22	44
	110	110	220
Ward Practice	18 hours weekly		

Physical Education 2 hours a week the first and second quarter.

Spring Quarter

	Hours		
	Lect., Class	Lab.	Total
Nursing Arts III....	33	33	66
Nursing Care Plan..	6	5	11
Physical Therapy....	4	12	16
Adv. Materia Medica	33		33
Dietetic Therapy.....	44		44
	120	50	170

Summer Quarter

Vacation	2 weeks
Ward Practice.....	8 hours daily

SECOND YEAR

<i>Autumn Quarter</i>			<i>Winter Quarter</i>		
	Hours			Hours	
	Lect., Class	Total		Lect., Class	Total
Pathology	15	15	Gynecology	22	22
Medicine	33	33	Urology	22	22
Surgery	33	33	Special Therapeutics	22	22
Oper. Rm. Tech. ...	11	11	Communicable		
Orthopedics	22	22	Diseases	33	33
	<hr/> 115	<hr/> 115		<hr/> 99	<hr/> 99

<i>Spring Quarter</i>		
	Hours	
	Lect., Class	Total
Applied Psych.	22	22
Ear, Nose, & Throat	22	22
Sociology	33	33
	<hr/> 77	<hr/> 77

<i>Summer Quarter</i>	
Vacation	4 weeks
Ward Practice	8 hours daily

THIRD YEAR

<i>Autumn Quarter</i>			<i>Winter Quarter</i>		
	Hours			Hours	
	Lect., Class			Lect., Class	
Obstetrics	44		Psychiatry	44	
Pediatrics	44		Eye	11	
	<hr/> 88		Dermatology	11	
			Senior Demonstration	11	
				<hr/> 77	

<i>Spring Quarter</i>		
	Hours	
	Lect., Class	
Prof. Adj. II	22	
Preventive Med. & Public Health	22	
Social Service	22	
Ward Management	11	
	<hr/> 77	

<i>Summer Quarter</i>	
Vacation	4 weeks
Ward Practice	8 hours daily

THE SCHOOL OF FORESTRY

1940-1941

ANNOUNCEMENTS FOR 1941-1942

CALENDAR

1941

- May 29. Thursday—Field work begins in Surveying (C. E. S110) required of students entering School of Forestry.
- June 19. Thursday—Field work begins in Forest Surveying (For. S150).
- July 4. Friday—Independence Day: a holiday.
- July 24. Thursday—Field work begins in Forest Mensuration (For. S151).
- Sept. 16. Tuesday—Student conferences with School of Forestry Faculty.
- Sept. 17. Wednesday—Registration of students in the School of Forestry.
- Sept. 18. Thursday—Instruction begins in the School of Forestry.
- Sept. 18-20. Thursday, Friday, Saturday—Registration of students in the Graduate School.
- Oct. 15. Wednesday—Last day for submitting thesis subjects for Master of Forestry and Doctor of Forestry degrees.
- Nov. 20. Thursday—Thanksgiving: a holiday.
- Dec. 11. Thursday—Duke University Day.
- Dec. 20. Saturday, 1:00 P.M.—Christmas recess begins.

1942

- Jan. 5. Monday, 8:00 A.M.—Instruction is resumed.
- Jan. 23. Friday—School of Forestry mid-year examinations begin.
- Jan. 30. Friday—Registration of students in the School of Forestry.
- Feb. 2. Monday—Second semester begins.
- March 21. Saturday, 1:00 P.M.—Spring vacation begins. School of Forestry field trip begins.
- March 30. Monday, 8:00 A.M.—Instruction is resumed.
- April 6. Monday, 8:00 A.M.—School of Forestry field trip ends.
- May 1. Friday—Last day for submitting Doctor of Forestry theses.
- May 15. Friday—Last day for submitting Master of Forestry theses.
- May 29. Friday—School of Forestry final examinations begin.
- June 6. Saturday—Commencement opens; Senior Class Day; meeting of the Board of Trustees.
- June 7. Sunday—President's Address to Graduating Class; Commencement Sermon.
- June 8. Monday—Commencement Address; Alumni-Alumnae Luncheon; Graduating Exercises; Lowering of the Flag by the Graduating Class.

OFFICERS OF ADMINISTRATION

*FEW, WILLIAM PRESTON, A.B., A.M., Ph.D., Litt.D., LL.D. <i>President</i>	West Campus
**FLOWERS, ROBERT LEE, A.M., LL.D. <i>President</i>	West Campus
WANNAMAKER, WILLIAM HANE, A.B., A.M., Litt. D. <i>Vice-President in the Educational Division and Dean of the University</i>	West Campus
BROWN, FRANK CLYDE, A.B., A.M., Ph.D. <i>Comptroller</i>	410 Buchanan Boulevard
MARKHAM, CHARLES BLACKWELL, A.B., A.M. <i>Treasurer</i>	204 Dillard Street
KORSTIAN, CLARENCE FERDINAND, B.S.F., M.F., M.A., Ph.D. <i>Dean of the School of Forestry</i>	1718 Duke University Road

ADMINISTRATIVE COMMITTEE OF THE SCHOOL OF FORESTRY

*W. P. FEW, *President*
**R. L. FLOWERS, *President*
C. F. KORSTIAN, *Dean*

COMMITTEE OF THE BOARD OF TRUSTEES ON THE SCHOOL OF FORESTRY

H. R. DWIRE, ***W. W. FLOWERS, M. E. NEWSOM, B. F. FEW

* Died, October 16, 1940.

** Elected, January 29, 1941.

*** Died, May 1, 1941.

GENERAL STATEMENT

Forestry in Duke University began early in 1931 when, through placing the Duke Forest under intensive management for forestry purposes, a substantial beginning was made in laying the foundations for educational work and research in forestry.

A pre-forestry curriculum, designed for students intent upon pursuing the study of forestry, particularly as a profession after graduation, was organized in Trinity College of Duke University in 1932 (see *Announcement on Undergraduate Instruction in Duke University*). This four-year course of study provides only for instruction in fundamental and auxiliary subjects basic to a proper understanding of the highly specialized work in technical forestry. Duke University offers no professional degree in technical forestry available to undergraduates.

Training in technical forestry leading to the professional degrees, Master of Forestry and Doctor of Forestry, is offered in the School of Forestry, and is open to all graduates of the pre-forestry curriculum in Trinity College and to graduates of recognized scientific schools or colleges, universities, and professional schools of forestry.

Duke University is also prepared to offer, through the Graduate School of Arts and Sciences, graduate work in the more scientific aspects of forestry leading to the Master of Arts and Doctor of Philosophy degrees. This work is available to graduates of schools of forestry of recognized standing, and to college or university graduates holding the Bachelor's degree with their major work in appropriate scientific subjects. Undergraduate subjects which the college student, who does not have forestry training but who is contemplating work toward either degree in forestry, should take in preparation for this work may be illustrated as follows: at least two full years in botany, including general morphology or anatomy, the taxonomy, physiology, and ecology of plants; at least one course in zoology or general biology; courses in chemistry, physics, geology, economics, mathematics; and at least two years of French or German.

Several staff members of the Appalachian Forest Experiment Station are engaged in co-operative research projects in the Duke Forest. Specialists from this station and other prominent members of the U. S. Forest Service and representatives of forest and wood-using industries give occasional scheduled lectures at the School.

EDUCATIONAL FACILITIES

The School of Forestry is located partly in Few Quadrangle and partly in the Biology Building along with the Departments of Botany and Zoology. The administrative offices, two classrooms, and the forest mensuration and statistical laboratory are in Few Quadrangle, while

other laboratories and offices and the School Library are in the Biology Building. The Biology Building contains, in addition to classrooms, laboratories, and offices, a library, three refrigerated rooms, an incineration room, a workshop, and eight dark-rooms. The School is provided with instruments and tools for use in both field and laboratory work in silvics, silviculture, and forest mensuration. Modern surveying instruments and accessory equipment are available for work in forest surveying.

Laboratories for work in wood anatomy and properties are provided with microtechnique and photomicrographic instruments, wood-working machinery, a Henderson dry kiln and a 50,000-pound Olsen Universal timber-testing machine. A modern forest soils laboratory equipped for physical and chemical studies is available. In the field of seasoning and preservation of wood a commercial-sized, single-compartment dry kiln and a fully equipped experimental pressure treating cylinder are available for instruction and research.

Facilities are also available for advanced work in plant physiology, plant anatomy, plant taxonomy, genetics, plant ecology, plant pathology, and the several branches of zoology. Many rooms in the Biology Building are equipped with vacuum, compressed air, direct and alternating electric current, gas, and running water.

The forestry section of the Library contains a growing collection of material on forestry, soils, and closely related subjects. It includes important books and periodicals in English and in French, German, and certain other foreign languages. The Library is well provided with American material, including Federal and State documents and reports. Over 150 periodicals and serials of importance in forestry and related fields are received by subscription or exchange.

Greenhouses, connected to the Biology Building through a soil-storage and work room, provide adequate space for experimental work.

A nursery has been established by the University for the joint use of the Sarah P. Duke Floral Garden, the Botany Department, and the School of Forestry. The forestry section of this nursery is used mainly for the growing of planting stock for the Arboretum and trees needed for research or other special purposes.

THE DUKE FOREST

The Duke Forest, located in Durham and Orange counties, North Carolina, consists of three main units; namely, the Durham, New Hope Creek, and Hillsboro divisions. Early in the development of Duke University it was recognized that the possession of such an area offered an unusual opportunity for the development of educational work in forestry.

Situated on the lower Piedmont plateau at elevations ranging from 280 to 650 feet, and composed of second-growth shortleaf and loblolly pines, oak, gum, hickory, maple, yellow poplar, ash, and other hardwoods, the Forest is representative of the various types of timber growth found throughout the region. Over one hundred different species of trees are found within or near the Forest. The land is rolling and there is rela-

tively little rock outcrop, swamp, or other land of low productivity for timber growing. The total area of the Forest proper, exclusive of the University campus, is approximately five thousand acres.

THE ARBORETUM

A feature which will be of outstanding value in the teaching of both forestry and botany in the future is the provision for development of an arboretum. In their annual meeting on June 4, 1934, the Board of Trustees of Duke University, upon the recommendation of their Forestry Committee, voted to set aside permanently an area of over three hundred acres in the Forest to be used for arboretum purposes. The area lies adjacent to the main University campus immediately across the road from the Chapel.

Through the generosity of Mr. W. W. Flowers, of New York, a member of the Class of 1894 and a Trustee of the University, it has been possible to develop preliminary plans and to make a number of plantings. This is naturally a long-time project, and many years will elapse before the Arboretum will be most useful and most attractive. The University Trustees' Committee on Forestry in their report to the Board refers to the Arboretum as follows:

"The Arboretum should serve as a station for the study of trees and woody plants as individuals and in small groups in their scientific relations, economic properties, and cultural characteristics, requirements, and possibilities. It should render an economic service by acting as a research laboratory where trees and shrubs can be studied from the viewpoint of a fuller utilization of their commercial possibilities. It should render a cultural service by serving as a center where foresters, landscape architects, nurserymen, gardeners, and the general public may increase their knowledge of indigenous trees and shrubs and where they may become acquainted with the foreign species that can be grown here. Within the University the Arboretum will supply living specimens and material for several branches of botany and forestry."

The development of the Arboretum will proceed along these lines as rapidly as available funds and planting stock will permit.

FELLOWSHIPS, SCHOLARSHIPS, AND RESEARCH ASSISTANTSHIPS IN FORESTRY

A number of fellowships, scholarships, and research assistantships are available to men who offer promise of becoming leaders in the forestry profession. These will be awarded for high character and marked scholastic ability as judged by education, experience, and personal references.

Holders of the awards will pay tuition and such additional fees as are regularly required.

The awards are of three classes with stipends and special conditions as follows:

(1) Fellowships of \$600 each. Each recipient must have previously completed work equivalent to that required at Duke University for a

Master's degree with major in forestry or in a discipline basic to forestry. He will devote his entire time to an approved program of study and research in any of the branches of forestry. He is expected to become a candidate for the degree of Doctor of Forestry or Doctor of Philosophy.

(2) Scholarships of \$250 each. Each recipient will normally devote his entire time to an approved program of study leading to the degree of Master of Forestry or Master of Arts with a major in forestry.

(3) Research assistantships of \$500 each. Each recipient will devote half-time to field, laboratory, or other work of the research program of the School of Forestry. He will be permitted to enroll for not more than 20 semester hours in a school year on a program of study, or study and research, leading to the degree of Master of Forestry, Master of Arts, Doctor of Forestry, or Doctor of Philosophy.

The following arrangements are common to all fellowships, scholarships, and research assistantships in forestry:

(1) Each applicant must have received a Bachelor's degree from an acceptable professional school of forestry or must be a graduate of a recognized college or university. If an applicant is not a graduate of a school of forestry he must have had major work in botany or soil science and in the allied basic sciences. Each applicant must show reasonably high scholarship. Preference will be given to men who have already obtained technical or professional training in forestry.

(2) It is highly desirable that each applicant state as specifically as possible the field in which he wishes to study. The definite selection of a major field of work—one that is specific in purpose and involves training both in fundamentals and in technique—is very helpful to the Committee on Awards.

(3) Application blanks for fellowships, scholarships, and research assistantships may be obtained by writing to the Dean of the School of Forestry, Duke University, Durham, North Carolina. When the blank has been filled out by the applicant it should be returned to the above address, and an *official transcript of record* showing college or university credits must accompany it or be forwarded promptly. The application and transcript must be filed not later than March 1 for consideration for the following academic year. In case vacancies occur, applications submitted on a later date may be considered.

REQUIREMENTS FOR ADMISSION TO THE SCHOOL OF FORESTRY

The following general requirements of the School of Forestry apply to candidates for the Master of Forestry degree:

Admission to the School of Forestry presupposes that the applicant is either a graduate of a scientific school, college, or university of high standing, but without professional training in forestry; or that he is a graduate of a professional school of forestry of recognized standing. He will present not less than four years of credit of collegiate grade, with at least as many quality-points as hours.¹

¹ Grades for each hour of college credit and also for credit earned in the School of Forestry are valued in quality-points as follows: A, 3 points; B, 2 points; C, 1 point; D no points; and F, no credit and —1 point.

An applicant with no professional training in forestry will present a certified transcript of his academic record showing that he has had conferred upon him a degree in arts, science, or engineering; and that he has satisfactorily completed undergraduate work in minimum amount as follows:

One year of botany, including the morphology, physiology, and identification of plants.

One year each of English and of chemistry.

One course each in physics and in the principles of economics.

Mathematics, through college algebra and trigonometry.

It is urged that an applicant without professional training in forestry present additional credits in the above subjects and in one or more of the following subjects: soils, geology, mineralogy, petrology, climatology, surveying, languages (particularly German and French), sociology, political science, philosophy, psychology, and zoology.

An applicant who is a graduate of a professional school of forestry of recognized standing will present a certified transcript of scholastic record showing the award of a degree. Before registering for the first semester of residence, such applicants will be required to select the branch or branches of forestry in which they wish to concentrate the major part of their work and to prepare their proposed programs in conference with the appropriate faculty advisor.

Students must make application for admission in advance of the opening of the school year. Those students entering without acceptable courses in plane surveying, forest surveying, and forest mensuration must take the twelve weeks of work in these subjects in the Summer School, and are required to submit their applications prior to May 1. Students entering with advanced standing in surveying and forest mensuration should make application before September 1. Application blanks will be sent upon request made to the Dean of the School of Forestry.

REQUIREMENTS FOR THE DEGREE OF MASTER OF FORESTRY

The degree of Master of Forestry (M.F.) is conferred upon students who have satisfactorily completed two years of study in technical forestry and one term of twelve weeks' work in plane surveying, forest surveying, and forest mensuration in the Summer School. In addition to the Summer School work a total of not less than sixty semester hours' credit is required for the M.F. degree, of which at least fifty-five shall be obtained in the School of Forestry. Each student must obtain at least as many quality-points as semester hours' credit under the quality-point system described in footnote 1 of the preceding section.

A two weeks' field trip to typical timber-harvesting, manufacturing, and other forestry operations in the South is conducted by the School and is required as a part of the work in Forest Products Industries (Forestry 212). Other students in the School of Forestry may be permitted to take this trip as opportunities will be available for special work and observations in other branches of forestry in forest types not represented

in the Duke Forest. One semester hour of credit may be earned for participation in the field trip by registering for it in Forestry 212A.

No student may take less than fifteen or more than eighteen hours in any one semester without special permission of the School of Forestry Faculty. The following work will be required of all candidates for the M.F. degree:

SUMMER SCHOOL

	S.H.
Plane Surveying (C. E. S110).....	3
Forest Surveying (F. S150).....	5
Forest Mensuration (F. S151).....	4

FIRST YEAR

<i>First Semester</i>	S.H.	<i>Second Semester</i>	S.H.
Harvesting Forest Products (F. 211).....	3	Forest Products Industries (F. 212)	3
Forest Entomology (F. 231).....	3	Forest Pathology (F. 224).....	4
Sampling Methods (F. 251).....	2	Dendrology (F. 254).....	2
Dendrology (F. 253).....	2	Silvics (F. 264).....	3
Wood Anatomy & Properties (F. 259).....	3	Electives	
Forest Soils (F. 261)	3		

SECOND YEAR

Silviculture (F. 265)	5	Forest Valuation (F. 282).....	3
Forest Economics (F. 279).....	3	Seminar (F. 292).....	1
Forest Management (F. 281).....	4	Thesis	
Thesis		Electives	
Electives			

Each candidate is required to file in the office of the Dean of the School of Forestry on or before May 15 three copies of a thesis, type-written and bound in accordance with regulations set forth by the Faculty. The thesis shall be based upon an original study made in the field, laboratory, or library.

Work of equivalent grade done in residence at recognized schools of forestry may, with the approval of the Faculty, be accepted as credit toward the M.F. degree. A minimum of one year's residence is required at Duke University. Students who have had satisfactory undergraduate training in forestry may, with the approval of the Faculty, elect to devote the major portion of their time to research under the supervision of one or more members of the Faculty and prepare a more comprehensive thesis than is required of students entering the School without previous work in forestry. Students in the School of Forestry may take in allied departments of the University as electives certain courses approved by the Faculty.

REQUIREMENTS FOR THE DEGREE OF DOCTOR OF FORESTRY**THE DEGREE**

The degree of Doctor of Forestry is a research degree. It is based primarily upon evidence of high attainments in a special field of forestry knowledge and upon the production of a thesis embodying the results of original research. It is not based merely upon the completion of a prescribed period of study or upon the obtaining of credit for a given number of courses.

A student who plans to enter upon a program of work leading to the degree of Doctor of Forestry should consult or enter into correspondence with the Dean of the School of Forestry. He will then be advised as to the possibility of obtaining the necessary instruction and supervision of research in the special field desired.

RESIDENCE

The normal period of resident graduate study, following satisfaction of the general requirements for admission to the Duke School of Forestry, is a minimum of two academic years after the student has obtained the graduate professional degree of Master of Forestry, or its equivalent. At least one of these two years of graduate study must be spent in actual residence at Duke University. With the approval of the Faculty of the School of Forestry work of equal grade done in residence at another college or university, or at a research station or institute not connected with a college or university, may be accepted toward a Doctor of Forestry degree. Only in connection with the preparation of the thesis will work be accepted that has been done elsewhere than in residence at a college, university, research station, or institute. A student whose undergraduate work is insufficient in amount or unsatisfactory in character may be required to spend additional time in preliminary courses essential as a basis for the graduate work he proposes to undertake.

Students whose research is concerned with the study of trees and forest stands in the Duke Forest during the growing season may find it necessary to be at the University during the summer.

Credit for one year of work done in regular sessions of the Summer School at Duke University may be given with the approval of the School of Forestry Faculty. Except in unusual cases, graduate work of fragmentary character taken over a long period of years, or work completed many years before the student becomes a candidate for the degree at Duke University, will not be accepted as satisfying the requirements of residence.

APPLICATION FOR CANDIDACY

No student will be admitted as a candidate for the degree of Doctor of Forestry until he has obtained the professional graduate degree of Master of Forestry or its equivalent, either at Duke University or at a professional school of forestry of recognized standing. A student desiring to become a candidate for the Doctor of Forestry degree is ordinarily

required to file with the Dean of the School of Forestry, at the beginning of his graduate work toward this degree, a formal application indicating in which field and under what professor he proposes to carry on research. A committee of the Faculty will then be appointed to supervise the student's work, with the professor in charge of his research as chairman. If and when the committee finds that the preliminary requirements of the major field have been satisfied, the chairman of the committee will report the fact in writing to the Dean of the School of Forestry. In the case of students who come to Duke University for only the last year of graduate work, and in special cases approved by the School of Forestry Faculty, the application for recognition as a candidate for the Doctor of Forestry degree may be filed later than provided above, but not later than October 15 of the academic year in which it is desired that the degree be conferred.

PROGRAM OF STUDY

The program of study of a candidate for the Doctor of Forestry degree will be arranged after consultation with the committee provided for in the preceding section and is subject to the approval of the Dean and Faculty of the School of Forestry. The student must select a major field and one or two minor related fields. Both major and minor may be selected in different branches of forestry or the minor may be taken in a related field in some other school or department of Duke University.

FOREIGN LANGUAGES

A reading knowledge of two foreign languages is required. One language shall be either French or German, and the other optional to fit the requirements of the student's problem. No student can come up for his preliminary examination before having satisfied the language requirements for the Doctor's degree. Foreign language examinations are conducted by the appropriate language department, or in special cases, by a qualified member of the Faculty of Duke University.

PRELIMINARY EXAMINATION

Toward the end of the first full year of graduate work for the Doctor of Forestry degree (or in special cases early in the second year), a preliminary examination of each candidate will ordinarily be held covering the general field of his studies. This examination will be conducted by the committee in charge of the student's work and will be written. A student who passes the examination will be recognized as a candidate for the Doctor of Forestry degree. A student's major and minor subjects will ordinarily be included in this preliminary examination.

If a student fails on his first examination, he may make a second attempt after six months upon recommendation of his committee and the approval of the Dean of the School of Forestry. Two failures on this examination make the student ineligible to continue work toward the Doctor of Forestry degree at Duke University.

THESIS

The thesis for the Doctor of Forestry degree must be a contribution to knowledge. The subject of the thesis must be filed with the Dean of the School of Forestry on or before October 15 of the academic year in which the candidate desires to take the final examination for his degree. The subject must receive the written approval of the professor under whom the thesis is being written and of the Dean of the School of Forestry. The thesis must be completed to the satisfaction of the major professor. Four typewritten copies in approved form must be deposited with the Dean of the School of Forestry on or before May 1 if the student desires to be examined on the thesis in the same academic year. The title page must be approved by the Dean of the School of Forestry. Two of the copies, the original and a carbon copy, are placed in the School of Forestry library, one copy goes to the major advisor, and one is returned to the student.

The candidate's thesis must be published either in its original form or in a modified form approved by the Dean of the School of Forestry and the committee in charge of the candidate's work. In its published form the title page should include this statement: "A Thesis Submitted in Partial Fulfillment of the Requirements for the Degree of Doctor of Forestry in the School of Forestry of Duke University." Ten copies of the published thesis should be deposited in the office of the Dean of the School of Forestry within a reasonable time after publication. The degree will not be conferred until publication of the thesis, in approved form, within three years has been guaranteed in a way satisfactory to the Dean of the School of Forestry and the professor under whom the thesis was written.

FINAL EXAMINATION

The final examination will be on the thesis and on related subject matter and will be oral. Approximately one year must elapse between the dates of the preliminary examination and the final examination, except in special cases approved by the School of Forestry Faculty. Two failures on this examination make a student ineligible to continue work toward the Doctor of Forestry degree at Duke University. The second examination may be given only upon the recommendation of the professor in charge of the thesis and the approval of the Dean of the School of Forestry.

GRADING

Members of the Faculty are expected to report grades of graduate students to the School of Forestry Office not later than February 15 for the first semester and not later than June 15 for the second semester on the cards provided for that purpose. An average grade of "B" or better will be required for all work, beyond that for the degree of Master of Forestry, that is to be credited toward the Doctor of Forestry degree. A mark of "Incomplete" may be given when a student has failed, for an acceptable reason, to complete some portion of the required work in

which his standing is generally satisfactory. Unless a report is made within one year that the work has been satisfactorily completed, all credit will be lost.

FORESTRY IN THE GRADUATE SCHOOL

Graduate work toward the Master of Arts and Doctor of Philosophy degrees in the more scientific branches of forestry is available to adequately prepared students at Duke University. This work is given through the Division of Forestry of the Graduate School of Arts and Sciences by certain members of the School of Forestry Faculty.

The following special conditions will influence the acceptance of students for graduate study in forestry: The student must have received a degree from a professional school of forestry of recognized standing or from an approved college or university. Graduates of professional schools of forestry must also have had adequate training in liberal arts and sciences, approximating 86 semester hours, before being admitted to candidacy for the Master of Arts or Doctor of Philosophy degrees. College graduates who have had specialized training in botany or soil science and in allied basic subjects, such as physics, chemistry, geology, and zoology, may pursue graduate study and research only in the specialized fields for which their previous work has qualified them.

The Forestry Staff will determine whether a student is qualified to pursue graduate study in any of the special fields of forestry in which work is available.

The Master of Arts and Doctor of Philosophy degrees are attained through scientific work rather than technical or professional training in forestry. Work for these degrees may be pursued only in forest-tree physiology, wood anatomy and properties, forest pathology, forest entomology, silvics, forest soils, forest mensuration, forest management, and forest economics, except that a major cannot be taken in forest management. A student upon registration chooses a field of study which may lie in two or more departments. The members of the Graduate School Faculty best qualified in that field are named as the student's advisory committee, regardless of the department of which they are members. This committee will advise the student in the planning and conduct of his work and will evaluate it when completed.

A reading knowledge of French and German must be acquired early in the course of graduate study in forestry because much of the forestry literature of the world is written in or has summaries in these languages. For the Ph.D. degree the language requirement must be met before the preliminary examination is taken and usually before the preparation of the thesis is begun.

The length of time required for a student to obtain the Master of Arts and Doctor of Philosophy degrees in forestry is determined by the character of his previous work and by the quality of his work in the Graduate School. Upon the recommendation of the Forestry Staff and with the approval of the Council on Graduate Instruction, work of equal grade done in residence at another college or university, or at a research

station or institute not connected with a college or university, may be accepted toward a Ph.D. degree, but at least the last year or the first two years of graduate study must be spent in actual residence at Duke University. Only in connection with the preparation of the thesis will work be accepted that has been done elsewhere than in residence at a college, university, or research station.

Students whose research is concerned with the study of trees and forest stands in the Duke Forest during the growing season may find it necessary to be at the University during the summer.

The field of study may include advanced work in allied subjects as well as advanced work in forestry. The student should have covered, however, most of the basic subjects prior to entering the Graduate School. The required advanced work will depend upon the student's previous training and the special field of study selected. Before beginning his work the student must obtain approval of his proposed program of study, including the plans for the research for his thesis. Courses of study must be correlated with each other and with the thesis research.

For further information on requirements for admission to the Graduate School of Arts and Sciences and on the general requirements for the Master of Arts and Doctor of Philosophy degrees reference should be made to the *Bulletin of the Graduate School of Arts and Sciences*.

COURSES OF INSTRUCTION

This is a condensed description of courses. For a full description, see Bulletin of the School of Forestry.

IN THE SUMMER SCHOOL

C.E. S110. Plane Surveying.—3 s.h.

PROFESSORS BIRD AND W. H. HALL AND MR. WILLIAMS

S150. Forest Surveying.—Prerequisites: Civil Engineering S110, Plane Surveying, or equivalent. **5 s.h.**

ASSOCIATE PROFESSOR MAUGHAN

S151. Forest Mensuration.—4 s.h.

PROFESSOR SCHUMACHER

FOR SENIORS AND GRADUATES

211. Harvesting Forest Products.—3 s.h.

PROFESSOR WACKERMAN

212. Forest Products Industries.—Prerequisite: Forestry 211 or equivalent. **3 s.h.**

PROFESSOR WACKERMAN

213. Seasoning and Preservation of Wood.—3 s.h.

PROFESSOR WACKERMAN

214. Marketing Forest Products.—Prerequisites: Forestry 211 and 212, or equivalents. **3 s.h.**

PROFESSOR WACKERMAN

224. Forest Pathology.—Prerequisites: Botany 1 and 2, and Forestry 253-254, or equivalents. **4 s.h.**

PROFESSOR WOLF

231. Forest Entomology.—3 s.h.

PROFESSOR BEAL

236. Forest Game Management.—3 s.h.

PROFESSOR BEAL

251. Sampling Methods in Forestry.—Prerequisite: Forestry S151. **2 s.h.**

PROFESSOR SCHUMACHER

252. Forest Mensuration.—Prerequisite: Forestry 251. **2 s.h.**

PROFESSOR SCHUMACHER

253-254. Dendrology.—Prerequisite: one year of botany. **4 s.h.**

ASSOCIATE PROFESSOR HARRAR

256. Wood Pulp and Pulp Products.—Prerequisites: Forestry 212 and 259, or equivalents. **3 s.h.**

ASSOCIATE PROFESSOR HARRAR

257. Design of Forestry Experiments and Analysis of Data.—5 s.h.

PROFESSOR SCHUMACHER

259. Wood Anatomy and Properties.—Prerequisites: one year of Botany and Chemistry 1 and 2, or equivalents. **3 s.h.**

ASSOCIATE PROFESSOR HARRAR

260. Timber Mechanics.—Prerequisites: Physics 1 and Forestry 259, or equivalents. **3 s.h.**

ASSOCIATE PROFESSOR HARRAR

261. Forest Soils.—Prerequisites: Chemistry 1 and 2, and Physics 1, or equivalents; physical geology and analytical chemistry are also desirable. **3 s.h.**

ASSISTANT PROFESSOR COILE

264. **Silvics.**—Desirable prerequisites: plant physiology, plant ecology, and Forestry 253-254 and 261, or equivalents. 3 s.h. PROFESSOR KORSTIAN

265. **Theory and Practice of Silviculture.**—Prerequisite: Forestry 264 or equivalent. 5 s.h. PROFESSOR KORSTIAN

266. **Forest Seeding and Planting.**—2 s.h. PROFESSOR KORSTIAN

273. **Forest Protection.**—2 s.h. ASSOCIATE PROFESSOR THOMSON

276. **Forest Policy.**—2 s.h. ASSOCIATE PROFESSOR THOMSON

279. **Economics of Forestry.**—Prerequisite: at least one course in the principles of economics. 3 s.h. ASSOCIATE PROFESSOR THOMSON

281. **Forest Management.**—Prerequisites: Forestry S150, S151, and 251, or equivalents. 4 s.h. ASSOCIATE PROFESSOR MAUGHAN

282. **Forest Valuation.**—Prerequisite: Forestry 281 or equivalent. 3 s.h. ASSOCIATE PROFESSOR MAUGHAN

292. **Seminar.**—1 s.h. THE STAFF

211A to 282A. **Special Studies in Forestry.**—Credits and hours to be arranged. THE STAFF

FOR GRADUATES

301-302. **Advanced Studies in Forestry.**—Credits to be arranged.

a. **Silvics.**—Prerequisite: Forestry 253-254, 261, and 264 or equivalents. PROFESSOR KORSTIAN

b. **Forest Soils.**—Prerequisite: Forestry 261 or equivalent. ASSISTANT PROFESSOR COILE

c. **Silviculture.**—Prerequisite: Forestry 265 or equivalent. PROFESSOR KORSTIAN

d. **Forest Management.**—Prerequisite: Forestry 281 or equivalent. ASSOCIATE PROFESSOR MAUGHAN

e. **Forest Economics.**—Prerequisite: Forestry 279 or equivalent. ASSOCIATE PROFESSOR THOMSON

f. **Wood Anatomy and Properties.**—Prerequisites: Forestry 259 and 260, or equivalents. ASSOCIATE PROFESSOR HARRAR

g. **Forest Mensuration.**—Prerequisites: Forestry S151, 251, and 252, or equivalents. PROFESSOR SCHUMACHER

h. **Forest Entomology.**—Prerequisite: Forestry 231 or equivalent. PROFESSOR BEAL

i. **Forest Utilization.**—Prerequisites: Forestry 211 and 212, or equivalents. PROFESSOR WACKERMAN

j. **Dendrology.**—Prerequisite: Forestry 253-254 or equivalent. ASSOCIATE PROFESSOR HARRAR

311. **Advanced Forest Utilization.**—Prerequisite: Forestry 211 or equivalent. 2 s.h. PROFESSOR WACKERMAN

323-324. **Advanced Forest Pathology.**—Prerequisites: plant physiology and forest pathology. Credits to be arranged. PROFESSOR WOLF

351-352. Advanced Physiology of Forest Trees.—Prerequisites: plant physiology and plant ecology or silvics. Credits to be arranged.

ASSOCIATE PROFESSOR KRAMER

354. Forest Soil Fertility.—Prerequisites: Forestry 251 and 261, and plant physiology, or equivalents; bacteriology and analytical and organic chemistry are desirable. 3 s.h.

ASSISTANT PROFESSOR COILE

356. Economic Forces in Forestry.—Prerequisites: Forestry 279 and 282, or equivalents; courses in economic theory are desirable. 2 s.h.

ASSOCIATE PROFESSOR THOMSON

357-358. Research in Forestry.—Credits to be arranged.

THE STAFF

FEES AND EXPENSES

The following tables show the general fees and charges collected from all students and the special fees collected from those taking laboratory courses. All fees for each semester are due and payable, unless otherwise specified, at the time of registration at the beginning of that semester, and no student is admitted to classes until arrangements have been made with the Treasurer of the University for the settlement of fees.

GENERAL FEES

Matriculation, per semester.....	\$ 25.00
Tuition, per semester.....	100.00
Room-rent—See the detailed statement that follows.	
Athletic Fee, admitting students to all athletic contests held on the University grounds, per semester.....	5.00
Damage Fee, payable annually at the time of first registration.....	1.00
Medical Fee, per semester.....	5.00
Library Fee, per semester.....	5.00
Commencement Fee, payable once by graduate students in the last semester before a degree is conferred.....	3.00
Diploma Fee, payable by candidates for degrees at the beginning of the second semester, refunded if the diploma is not awarded.....	5.00
For further information concerning room-rent, see below.	

SPECIAL FEES

Graduate students in the sciences are required to pay the special laboratory fees for courses as fixed by the various departments. An administrative fee is charged in connection with special research in the summer under direction of a member of the Faculty. Special laboratory and materials fees in forestry are as follows:

Forestry 224, 253-254, 259, 260, 264, 357a, and 358a.....	\$2.50
Forestry 261, 351-352, 354, 357b, and 358b.....	\$2.50 to \$5.00

TRANSCRIPTS

A student desiring to transfer from Duke University to another institution is entitled to one transcript of his record. A charge of one dollar is made for each additional copy.

PAYMENTS TO FELLOWS AND SCHOLARS

Payments by the University of stipends to fellows and scholars are made in four installments, on November 25, January 25, March 25, and May 25. Fellows and scholars are required to pay the regular tuition fee and such additional fees as are ordinarily required of graduate students.

THE SUMMER SCHOOL

1941

First Term: June 10 to July 21

Second Term: July 22 to August 30

JUNALUSKA SCHOOL OF RELIGION

(AFFILIATED WITH DUKE UNIVERSITY)

July 21 to August 30

OFFICERS OF ADMINISTRATION

*WILLIAM PRESTON FEW, A.B., A.M., LL.D.,
PRESIDENT OF DUKE UNIVERSITY

**ROBERT LEE FLOWERS, A.M., LL.D.,
PRESIDENT OF DUKE UNIVERSITY

WILLIAM HANE WANNAMAKER, A.B., A.M., Litt.D.,
VICE-PRESIDENT OF DUKE UNIVERSITY AND MEMBER OF THE UNIVERSITY
COMMITTEE ON THE SUMMER SCHOOL

HENRY RUDOLPH DWIRE, A.B., A.M.,
VICE-PRESIDENT OF DUKE UNIVERSITY AND MEMBER OF THE UNIVERSITY
COMMITTEE ON THE SUMMER SCHOOL

HOLLAND HOLTON, A.B., J.D.,
DIRECTOR OF THE SUMMER SCHOOL AND CHAIRMAN OF THE UNIVERSITY
COMMITTEE ON THE SUMMER SCHOOL

ARTHUR MARCUS PROCTOR, A.B., A.M., Ph.D.,
ASSOCIATE DIRECTOR OF THE SUMMER SCHOOL

WILLIAM THOMAS LAPRADE, A.B., Ph.D.,
MEMBER OF THE UNIVERSITY COMMITTEE ON THE SUMMER SCHOOL

CALVIN BRYCE HOOVER, A.B., Ph.D., Litt.D.,
DEAN OF THE GRADUATE SCHOOL OF ARTS AND SCIENCES

ALICE MARY BALDWIN, A.B., A.M., Ph.D.,
DEAN OF THE WOMAN'S COLLEGE

WALTER KIRKLAND GREENE, A.B., A.M., Ph.D.,
DEAN OF UNDERGRADUATE INSTRUCTION

MARY GRACE WILSON, A.B.,
SOCIAL DIRECTOR AND ACTING DEAN OF WOMEN

FLORA MARIE MEREDITH, A.B., A.M.,
(Dean of Women, Hendrix College, Arkansas),
ASSISTANT DEAN OF WOMEN (in charge of East Campus)

MARY IRENE KESTLER, A.B., A.M.,
SOCIAL DIRECTOR AND ACTING DEAN OF WOMEN (Second Term)

* Died, October 16, 1940.

** Elected, January 29, 1941.

FACULTY OF THE SUMMER SCHOOL

- ADAMS, DONALD KEITH; A.B., Pennsylvania State College; A.M., Harvard; Ph.D., Yale; PSYCHOLOGY (Duke University).
- BERRY, EDWARD WILLARD; A.B., Ph.D., Johns Hopkins; GEOLOGY (Duke University).
- BIGELOW, LUCIUS AURELIUS; B.S., Massachusetts Institute of Technology; Ph.D., Yale; CHEMISTRY (Duke University).
- BIRD, HAROLD CRUSIUS; Ph.B., C.E., Yale; CIVIL ENGINEERING (Duke University).
- BLOMQUIST, HUGO LEANDER; B.S., University of Chicago; Pasteur Institute, 1919; Ph.D., University of Chicago; BOTANY (Duke University).
- BROWNELL, WILLIAM ARTHUR; A.B., Allegheny College; A.M., Ph.D., University of Chicago; EDUCATIONAL PSYCHOLOGY (Duke University).
- CANNON, JAMES, III; A.B., Duke; A.M., Princeton; Th.B., Th.M., Princeton Theological Seminary; Edinburgh University, 1919; Garrett, 1924; D.D., Birmingham-Southern College; RELIGION (Duke University).
- CARLITZ, LEONARD; A.B., Ph.D., University of Pennsylvania; MATHEMATICS (Duke University).
- CARR, JOHN WINDER, JR.; A.B., Duke; A.M., Ph.D., Columbia; EDUCATION (Duke University).
- CHILDS, BENJAMIN GUY; A.B., A.M., University of Virginia; University of Virginia, 1921-22; EDUCATION (Duke University).
- CLYDE, PAUL HIBBERT; A.B., A.M., Ph.D., Stanford; HISTORY (Duke University).
- COLE, ROBERT TAYLOR; A.B., University of Texas; A.M., Ph.D., Harvard; POLITICAL SCIENCE (Duke University).
- COWPER, FREDERICK AUGUSTUS GRANT; A.B., A.M., Trinity College (Conn.); University of Strassburg, 1906-07; University of Geneva, 1907-08; Ph.D., University of Chicago; FRENCH (Duke University).
- CUNNINGHAM, BERT; B.S., M.S., Illinois Wesleyan; A.M., Duke; Ph.D., University of Wisconsin; ZOOLOGY (Duke University).
- DEVYVER, FRANK TRAVER; A.B., A.M., Oberlin College; A.M., Ph.D., Princeton; ECONOMICS (Duke University).
- GARDINER, ANN HENSHAW; R.N., Grad. Shepherd Normal School (W. Va.); B.S., Columbia; University of Washington Medical School of Hygiene, 1924-25; M.S., Kansas State College; HYGIENE (Duke University).
- GERGEN, JOHN JAY; A.B., A.M., University of Minnesota; Ph.D., Rice Institute; MATHEMATICS (Duke University).
- GILBERT, ALLAN H.; B.A., Cornell; A.M., Yale; Ph.D., Cornell; ENGLISH (Duke University).

- GRAY, IRVING EMERY; B.S., Massachusetts State College; M.S., Ph.D., University of Wisconsin; ZOOLOGY (Duke University).
- HALL, WILLIAM HOLLAND; A.B., A.M., Duke; B.C.E., University of Michigan; M.S.C.E., University of Wisconsin; ENGINEERING (Duke University).
- HART, HORNELL NORRIS; A.B., Oberlin College; A.M., University of Wisconsin; Ph.D., University of Iowa; SOCIOLOGY (Duke University).
- HUBBELL, JAY BROADUS; A.B., University of Richmond; A.M., Harvard; Ph.D., Columbia; ENGLISH (Duke University).
- JENSEN, HOWARD EIKENBERRY; A.B., A.M., University of Kansas; B.D., Ph.D., University of Chicago; SOCIOLOGY (Duke University).
- JORDAN, BRADY RIMBEY; Litt.B., Princeton; Ph.D., University of Wisconsin; FRENCH (Duke University).
- KRAMER, PAUL JACKSON; A.B., Miami (Ohio); M.S., Ph.D., Ohio State University; BOTANY (Duke University).
- KRUMMEL, CHARLES ALBERT; Ph.B., Central Wesleyan College; Ph.M., Syracuse; Ph.D., University of Wisconsin; University of Marburg, 1910; GERMAN (Duke University).
- LANNING, JOHN TATE; A.B., Duke; A.M., University of California; University of London, 1926-27; Ph.D., University of California; HISTORY (Duke University).
- LAPRADE, WILLIAM THOMAS; A.B., Washington Christian College; Ph.D., Johns Hopkins; HISTORY (Duke University).
- LUNDEBERG, OLAV K.; A.B., St. Olaf College; A.M., Ph.D., University of Minnesota; Université de Montpellier, 1918; Centro de Estudios Históricos, Madrid, 1929; SPANISH (Duke University).
- MAUGHAN, WILLIAM; B.S., University of Minnesota; M.F., Yale; FORESTRY (Duke University).
- MITCHELL, FRANK KIRBY; A.B., Millsaps; A.M., University of Michigan; Oriel College, Oxford, 1921-24; ENGLISH (Duke University).
- MYERS, HIRAM EARL; A.B., Duke; S.T.B., S.T.M., Boston University; RELIGION (Duke University).
- PEARSE, ARTHUR SPERRY; B.S., A.M., University of Nebraska; Ph.D., Harvard; ZOOLOGY (Duke University).
- PROCTOR, ARTHUR MARCUS; A.B., Duke; A.M., Ph.D., Columbia; EDUCATION (Duke University).
- RANKIN, ROBERT STANLEY; A.B., Tusculum College; A.M., Ph.D., Princeton; POLITICAL SCIENCE (Duke University).
- RANKIN, WILLIAM WALTER; B.E., North Carolina State College of Agriculture and Engineering; A.M., University of North Carolina; Harvard, 1914-15; Columbia, 1919-21; MATHEMATICS (Duke University).
- SCATES, DOUGLAS EDGAR; A.B., Whitworth; Ph.D., University of Chicago; EDUCATION (Duke University).
- SCHUMACHER, FRANCIS X.; B.S., University of Michigan; FORESTRY (Duke University).

- SHIPMAN, GEORGE A.; B.A., M.A., Wesleyan University; Ph.D., Cornell; POLITICAL SCIENCE (Duke University).
- SMITH, HILRIE SHELTON; A.B., Elon College; Ph.D., Yale; D.D., Defiance College; RELIGIOUS EDUCATION (Duke University).
- SPENGLER, JOSEPH JOHN; A.B., A.M., Ph.D., Ohio State University; ECONOMICS (Duke University).
- THOMAS, JOSEPH MILLER; A.B., Ph.D., University of Pennsylvania; MATHEMATICS (Duke University).
- WALTON, LORING BAKER; A.B., Princeton; Harvard, 1917-18; Lic. ès L., Sorbonne; FRENCH (Duke University).
- WEBB, ALBERT MICAIAH; A.B., A.M., Yale; Sorbonne (Paris) and Madrid, 1907-08; Sorbonne, 1923; FRENCH (Duke University).
- WILSON, ROBERT NORTH; A.B., Haverford College; M.S., University of Florida; Harvard, 1905-06; University of Illinois, 1923-24; Yale, 1931-32; CHEMISTRY (Duke University).
- ZENER, KARL EDWARD; Ph.B., University of Chicago; A.M., Ph.D., Harvard; National Research Fellow in Psychology, University of Berlin, 1926-27; PSYCHOLOGY (Duke University).
- ANDERSON, CHARLES ROBERTS; A.B., A.M., University of Georgia; Ph.D., Duke; ENGLISH (Duke University).
- ARROWOOD, CHARLES FLINN; A.B., Davidson College; B.D., Union Theological Seminary; A.B., Rice Institute; A.M., Ph.D., University of Chicago; EDUCATION (University of Texas).
- AYCOCK, THOMAS MALCOLM; B.S., Oklahoma State College; M.S., University of Iowa; HEALTH EDUCATION (Duke University).
- BAUGH, ALBERT CROLL; A.B., A.M., Ph.D., University of Pennsylvania; ENGLISH (University of Pennsylvania).
- BETTERS WORTH, JOHN K.; A.B., Millsaps College; Ph.D., Duke; HISTORY (Mississippi State College).
- BLACK, MARTIN LEE, JR.; A.B., Duke; M.B.A., Northwestern; C.P.A., Illinois and North Carolina; ACCOUNTING (Duke University).
- BOND, GEORGE WILLIAM; B.S., University of Arkansas; A.M., University of Chicago; Ph.D., Columbia; EDUCATION (Southeastern Louisiana College).
- BOND, RICHMOND P.; A.B., Vanderbilt University; A.M., Ph.D., Harvard; ENGLISH (University of North Carolina).
- BRIDGERS, FURMAN ANDERSON; A.B., Duke; A.M., University of Chicago; University of Chicago, 1928-29, 1933; SPANISH (Duke University).
- BROWN, M. GORDON; A.B., Washington Missionary College; A.M., Emory University; Docteur de l'Université de Dijon; Doctor en Filosofía y Letras, Madrid; FRENCH AND SPANISH (Georgia School of Technology).
- CARPENTER, DAVID WILLIAMS; A.B., A.M., Ph.D., Duke; PHYSICS (Duke University).
- CONSTANT, FRANK WOODBRIDGE; B.S., Princeton; Ph.D., Yale; PHYSICS (Duke University).

- CURTIS, KADER RANDOLPH; B.A., Wake Forest College; M.Ed., Duke; EDUCATION (Superintendent of Wilson County Schools).
- DAVIS, CHARLES SHEPARD; B.S., M.S., Alabama Polytechnic Institute; Ph.D., Duke; HISTORY (Alabama Polytechnic Institute).
- DAVIS, GIFFORD; A.B., Bowdoin College; A.M., Ph.D., Harvard; FRENCH (Duke University).
- DURAND, DANA BENNETT; S.B., Ph.D., Harvard; HISTORY (Harvard).
- EASLEY, HOWARD; A.B., Union University, Tenn.; A.M., Ph.D., George Peabody College; EDUCATIONAL PSYCHOLOGY (Duke University).
- EITEMAN, WILFORD J.; A.B., A.M., Ohio Wesleyan University; Ph.D., Ohio State University; ECONOMICS (Duke University).
- GAMBLE, GUY C.; B.S., Ph.D., Columbia; EDUCATION (Economic Consultant, Federal Trade Commission, Washington, D. C.).
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- GODARD, JAMES MCFATE; A.B., Park College; A.M., Duke; Duke, 1930-31, 1932-36; EDUCATION (Queens College).
- GOLDTHORPE, J. HAROLD; A.B., Hamline University; A.M., Ph.D., University of Minnesota; EDUCATION (Research Staff, American Council on Education).
- GREEN, FLETCHER M.; Ph.B., Emory; A.M., Ph.D., University of North Carolina; HISTORY (University of North Carolina).
- GRIGGS, EARL LESLIE; B.A., University of Colorado; A.M., Columbia; Ph.D., University of London; ENGLISH (University of Pennsylvania).
- GWYNN, JOHN MINOR; A.B., A.M., University of North Carolina; Ph.D., Yale; EDUCATION (University of North Carolina).
- GWYNN, PRICE HENDERSON, JR.; A.B., A.M., University of North Carolina; B.D., Yale Divinity School; Ph.D., Yale; EDUCATION (Davidson College).
- HASBROUCK, FRANCIS MAHLON; A.B., Ph.D., Johns Hopkins University; FRENCH AND SPANISH (Duke University).
- HAWKES, EVELYN JONES; A.B., A.M., Duke; Ph.D., University of Pennsylvania; SECONDARY EDUCATION (New Jersey College for Women).
- HIGHSMITH, JOHN HENRY; A.B., A.M., Duke; Columbia, 1904-06; LL.D., Catawba College; D.Ed., Wake Forest College; PUBLIC SCHOOL ADMINISTRATION (Director, Division of Instructional Service, North Carolina State Department of Public Instruction).
- HILLEGAS, MILO BURDETTE; Ph.B., University of Rochester; Ph.D., Columbia; LL.D., University of Vermont; EDUCATION (Columbia University).
- HILLMAN, JAMES ELGAN; B.Ped., Berea College; B.S., A.M., Ph.D., George Peabody College; EDUCATION (Director of Professional Service, North Carolina State Department of Public Instruction).
- HOLSOPPLE, JAMES QUINTER; B.S., Ph.D., Johns Hopkins; National Fellow, Johns Hopkins; EDUCATIONAL PSYCHOLOGY (Chief Psychologist, New Jersey State Hospital).
- HORNBERGER, THEODORE; A.B., A.M., Ph.D., University of Michigan; ENGLISH (University of Texas).

- HOWARD, GEORGE; A.B., Davidson College; A.M., Ph.D., Columbia; EDUCATION (Supervisor Secondary Schools, Panama Canal Zone).
- JERNIGAN, CHARLTON CONEY; A.B., A.M., Ph.D., Duke; GREEK LITERATURE (Woman's College of University of North Carolina).
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- LEMERT, BEN FRANKLIN; B.S.E., M.S., Ohio State University; Ph.D., Columbia; ECONOMICS (Duke University).
- MABBOTT, THOMAS OLLIVE; A.B., Ph.D., Columbia; ENGLISH (Hunter College).
- MANCHESTER, ALAN KREBS; A.B., Vanderbilt; A.M., Columbia; Ph.D., Duke; HISTORY (Duke University).
- MATHEWS, JOSEPH JAMES; A.B., A.M., Duke; Ph.D., University of Pennsylvania; HISTORY (University of Mississippi).
- MAXWELL, WILLIAM CARY; A.B., A.M., Duke; Ph.D., University of Heidelberg; GERMAN (Duke University).
- MOUZON, JAMES CARLISLE; A.B., Southern Methodist University; Ph.D., California Institute of Technology; PHYSICS (Duke University).
- MURNAGHAN, FRANCIS D.; B.A., M.A., D.Sc., National University of Ireland; MATHEMATICS (Johns Hopkins University).
- ODELL, CHARLES WATTERS; A.B., A.M., DePauw University; Ph.D., University of Illinois; EDUCATIONAL PSYCHOLOGY (University of Illinois).
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- PARKER, WILLIAM RILEY; A.B., Roanoke College; A.M., Princeton; B.Litt., Oxford; ENGLISH (Ohio State University).
- PERRY, HAROLD SANFORD; A.B., New York State College for Teachers; Ph.D., Cornell; BOTANY (Duke University).
- PUNKÉ, HAROLD HERMAN; B.S., M.S., University of Illinois; Ph.D., University of Chicago; EDUCATION (University of Georgia).
- REID, JOHN TURNER; A.B., A.M., Ph.D., Stanford University; SPANISH (Duke University).
- ROBERT, JOSEPH CLARKE; B.A., Furman; A.M., Ph.D., Duke; HISTORY (Duke University).
- ROBERTS, JOHN HENDERSON; A.B., Ph.D., University of Texas; National Research Fellow, University of Pennsylvania, 1929-30; MATHEMATICS (Duke University).
- ROOT, PAUL ADELBERT; A.B., Asbury College; B.D., Ph.D., Duke; SOCIOLOGY (Southern Methodist University).
- ROPP, THEODORE; A.B., Oberlin; A.M., Ph.D., Harvard; HISTORY (Duke University).
- SANDERS, CHARLES RICHARD; B.Ph., A.M., Emory University; Ph.D., University of Chicago; ENGLISH (Duke University).
- SAYLOR, JOHN HENRY; A.B., Southern Methodist University; A.M., Ph.D., Duke; CHEMISTRY (Duke University).

- SHIELDS, JOHN HERMAN; A.B., A.M., University of Texas; Columbia, 1924-26; ACCOUNTING (Duke University).
- SHRYOCK, RICHARD HARRISON; B.S.Ed., Ph.D., University of Pennsylvania; HISTORY (University of Pennsylvania).
- SLAY, RONALD JAMES; B.S., University of Mississippi; A.M., Ph.D., Columbia; TEACHING OF SCIENCE (East Carolina Teachers College).
- SMITH, ROBERT SIDNEY; A.B., A.M., Amherst College; Ph.D., Duke; ECONOMICS (Duke University).
- SPARGO, JOHN WEBSTER; A.B., Washington University; A.M., Ph.D., Harvard; Sheldon Traveling Fellow of Harvard, 1926-27, at University of Copenhagen; ENGLISH (Northwestern University).
- STOWE, ANCEL ROY MONROE; Ph.B., A.M., Northwestern; A.M., Harvard; Ph.D., Columbia; EDUCATION (University of New Hampshire).
- STRANG, RUTH M.; B.S., A.M., Ph.D., Columbia; EDUCATION (Columbia University).
- SWEARINGEN, MACK BUCKLEY; A.B., Millsaps College; A.M., Ph.D., University of Chicago; HISTORY (Georgia State College).
- THOMPSON, EDGAR TRISTRAM; A.B., University of South Carolina; A.M., University of Missouri; Ph.D., University of Chicago; SOCIOLOGY (Duke University).
- TIREMAN, LOYD SPENCER; B.A., Upper Iowa University; A.M., Ph.D., University of Iowa; EDUCATION (University of New Mexico).
- WALLIN, JOHN EDWARD WALLACE; A.B., Augustana College; A.M., Ph.D., Yale; EDUCATIONAL PSYCHOLOGY (Director of Special Education and Mental Hygiene, Delaware State Department of Public Instruction).
- WARD, CHARLES EUGENE; A.B., Baker University; A.M., Ph.D., Duke; ENGLISH (Duke University).
- WATSON, JOHN DARGAN; A.B., Furman; B.S., M.S., University of North Carolina; Sc.D., Harvard; ENGINEERING (Duke University).
- WEDEL, OSWALD HENRY; B.A., University of Arizona; A.M., Ph.D., Stanford University; HISTORY (University of Arizona).
- WEST, ALFRED THURBER; B.S., Alabama Polytechnic Institute; A.M., University of Alabama; Teachers Certificate from American Academy of Dramatic Art; ENGLISH (Duke University).
- WOODY, ROBERT HILLIARD; Ph.B., Emory University; A.M., Ph.D., Duke; HISTORY (Duke University).
- ANDERSON, LEWIS EDWARD; B.S., Mississippi State College; A.M., Duke; Ph.D., University of Pennsylvania; BOTANY (Duke University).
- BONNER, LYMAN GAYLORD; A.B., University of Utah; Ph.D., California Institute of Technology; PHYSICS (Duke University).
- BOOKHOUT, CAZLYN GREEN; A.B., St. Stephens College; A.M., Syracuse University; Ph.D., Duke; ZOOLOGY (Duke University).
- BRADSHER, CHARLES KILGO; A.B., Duke; A.M., Ph.D., Harvard; CHEMISTRY (Duke University).

- BROWN, FRANCES; A.B., Agnes Scott College; Ph.D., Johns Hopkins; CHEMISTRY (Duke University).
- BRUINSMA, HENRY A.; B.M., M.M., University of Michigan; MUSIC (Duke University).
- CARPENTER, JAMES MADISON; A.B., A.M., University of Mississippi; Ph.D., Harvard; ENGLISH (Duke University).
- GIBSON, WILLIAM MARION; B.A., University of Richmond; A.M., Ph.D., Duke; POLITICAL SCIENCE (Duke University).
- HARWELL, GEORGE CORBIN; A.B., A.M., Ph.D., Duke; ENGLISH (Duke University).
- HILL, DOUGLAS; A.B., Yale; A.M., Ph.D., Princeton; CHEMISTRY (Duke University).
- HOBBS, MARCUS EDWIN; A.B., A.M., Ph.D., Duke; CHEMISTRY (Duke University).
- JOHN, LENORE SUSAN; A.B., York College; A.M., University of Chicago; Chicago, 1927-30; ELEMENTARY EDUCATION (Specialist in Arithmetic, University of Chicago Laboratory School).
- JOHNSON, MYCHYLE W.; A.B., Ph.D., University of Indiana; ZOOLOGY (Duke University).
- KEECH, JAMES MAYNARD; A.B., A.M., Ph.D., Duke; ACCOUNTING (Duke University).
- LANDON, CHARLES E.; A.B., A.M., University of Kansas; Ph.D., University of Illinois; ECONOMICS (Duke University).
- LEWIS, LEROY; A.B., Oklahoma City University; A.M., University of Michigan; SPEECH (Duke University).
- MCCLOY, SHELBY THOMAS; A.B., A.M., Davidson College; B.Litt., B.A., Oxford; Ph.D., Columbia; HISTORY (Duke University).
- MC EWEN, NOBLE RALPH; A.B., Birmingham-Southern College; A.M., Duke; Duke, 1930-32; EDUCATION (Salem College).
- PORTER, ESTELLE RAWL; A.B., Winthrop College; Smith College, 1922-23; University of Chicago, 1926-27; ELEMENTARY EDUCATION (Queens College).
- RAYMOND, MARY LOIS; A.B., Mount Holyoke College; A.M., Radcliffe College; University of Wisconsin, 1919-20; University of Madrid and University of Paris, 1921-22; School of International Studies, Geneva, 1928; FRENCH (Duke University).
- SIMPSON, WILLIAM HAYS; A.B., Tusculum College; A.M., Ph.D., Duke; POLITICAL SCIENCE (Duke University).
- WATSON, KARL BRANTLEY, JR.; B.S., A.B., University of Chattanooga; A.M., Ph.D., Duke; EDUCATION (Duke University).
- WELFLING, WELDON WOODROW; A.B., Swarthmore College; A.M., Ph.D., Princeton; ECONOMICS (Duke University).
- WHARTON, GEORGE WILLARD, JR.; B.S., Ph.D., Duke; ZOOLOGY (Duke University).
- WILLIAMS, JAMES WESLEY; A.B., Duke; B.S., Georgia School of Technology; ENGINEERING (Duke University).

- ABRAMOVITCH, BENJAMIN; B.S., McGill University; Duke, 1938-41; ASSISTANT IN CHEMISTRY (Duke University).
- AYRES, ERLE BINGHAM; S.B., A.M., Boston University; Duke, 1939-41; ASSISTANT IN CHEMISTRY (Duke University).
- CHAMBERS, ROBERT LEE; B.S., University of Illinois; DIRECTOR OF RECREATION PROGRAM (Duke University).
- DIBELER, VERNON HAMILTON; B.S., A.M., Duke; Duke, 1940-41; ASSISTANT IN CHEMISTRY (Duke University).
- JENKINS, WILLIAM A.; A.B., Duke; Johns Hopkins, 1940-41; ASSISTANT IN GEOLOGY (Johns Hopkins University).
- LINSCHITZ, HENRY; B.S., College of the City of New York; Duke, 1940-41; ASSISTANT IN CHEMISTRY (Duke University).
- MASON, MARY LOCHER; Diploma, Maryland Institute; Diploma in Fine Arts, Teachers College, Columbia; DRAWING (Durham City Schools).
- PATTERSON, JAMES REID; B.S., Davidson; Duke, 1939-41; ASSISTANT IN PHYSICS (Duke University).
- PERSONS, WALTER S.; SWIMMING (Duke University).
- RICHARDS, JAMES AUSTIN, JR.; A.B., Oberlin College; Duke, 1939-41; ASSISTANT IN PHYSICS (Duke University).
- SKELL, PHILIP SOLOMON; B.S., College of the City of New York; A.M., Columbia; Duke, 1940-41; ASSISTANT IN CHEMISTRY (Duke University).
- SMITH, EDWIN STUDLEY; B.S., Furman; Duke, 1940-41; ASSISTANT IN CHEMISTRY (Duke University).
- TOMPSON, READE YATES; Sc.B., Brown University; Duke, 1940-41; ASSISTANT IN CHEMISTRY (Duke University).

DUKE UNIVERSITY SUMMER SCHOOL

In 1940 there was a total of 2,936 registrations in Duke University Summer School and affiliated schools. Of these registrations 1,858 students were enrolled in the first term of the Duke University Summer School, and 878 the second term; 26 were enrolled in the Junaluska School of Religion at Lake Junaluska; and 177 were enrolled in the Medical School and the School of Nursing. There were 1,124 graduate students the first term and 585 the second, admitted on the basis of Bachelor's degrees from 278 different colleges and universities. The total enrollment for the summer was drawn from forty states, as well as the District of Columbia, Puerto Rico, Canada, and China. The largest enrollments were from North Carolina, Pennsylvania, West Virginia, South Carolina, Florida, Virginia, Georgia, Ohio, New Jersey, New York, Tennessee, Mississippi, Kentucky, and Maryland in the order named. Public school teachers from thirty-two states were included in the total.

ADMISSION

Applicants for admission must have completed a high-school course. As evidence of this, a teacher's certificate of grade as high as North Carolina elementary will be accepted from teachers with two or more years of experience. Certificates and other credentials must be submitted to the Committee on the Summer School by the time of registration. Each student who wishes to enroll for graduate credit should request the proper officer of the university or college he attended to send directly to the Dean of the Graduate School an official transcript of his undergraduate record and of any graduate credits he may have. This transcript should be furnished by May 26 for enrollment in the first summer session and by July 1 for enrollment in the second summer session. An application blank for admission to graduate courses is available upon request for those who contemplate study toward an advanced degree. Undergraduate students should apply to the Director of the Summer School for a special blank to be signed by the dean of the college to which they desire their credits sent, certifying approval of the courses for which application is made. The Summer School reserves the right to reject any application or to cancel any registration without assignment of reason.

CREDITS

Professional credits towards teachers' certificates are granted by the various state boards of education, each in accordance with its own carefully planned rules. Teachers should consult the rules laid down by their

State Board of Education before enrolling for certification credit. Any student, however, whose work is of such quality as to deny him credit toward a degree, fails to receive "professional" credit.

College credits are offered as follows: A course of five hours a week for six weeks counts for two semester hours of credit, a course of seven and one half hours a week for six weeks counts for three semester hours of credit, and a course of ten hours a week for six weeks counts for four semester hours of credit in Duke University. No student is allowed to take more than fifteen hours of work a week without the consent of the Director and of the instructor in whose department the student expects to do his major work.* Except in the case of elementary laboratory science, in which eight semester hours may be completed in seven weeks, the University will not accept credit beyond six semester hours earned in one term toward the Bachelor's degree. Graduate students are not under any circumstances permitted to enroll for more than six semester hours in a summer school of six weeks. They forfeit graduate credit by undertaking more than six semester hours of work, even though part of the work may carry undergraduate credit only. A student of senior standing, however, may elect as many as eight semester hours of such elementary-skill work as drawing, public school music, and the like, of courses primarily for Freshmen and Sophomores, and obtain such professional credit as his State Department of Education will allow, not to exceed the maximum eight stated. The North Carolina State Department of Education disapproves of more than seven semester hours in one term of six weeks.

The nature of the credit allowed for each course is indicated by the number of the course. Courses numbered 1-49 are primarily for Freshmen, or Freshmen and Sophomores; courses numbered 50-99 are ordinarily for Sophomores, or Sophomores and Juniors; courses numbered 100-199 are for Juniors and Seniors; courses numbered from 200-299 are for Seniors and graduates; and courses numbered from 300 up are for graduate students only and are of very limited enrollment. Courses numbered from 200 up are usually limited in enrollment to approximately twenty-five students, and during the summer consist almost exclusively of graduate students. Graduate seminars are limited to fifteen students or fewer.

EXAMINATIONS

The last two days of each term of six weeks are devoted to examinations. The University has no provisions for giving examinations *in absentia*, but students absent from examination for valid reason are permitted a liberal extension of time in which to return to the University for completion of credit.

The early opening of schools in which many summer school students happen to teach, sometimes necessitates the return home of students before the end of the second term of Summer School. The provision made for such students is as follows: Any student whose record is superior in a given course may with the consent of his instructor and the approval of

* No student liable to suspension from the University under its rules regarding failure is permitted to enroll in the Summer School.

the Director of the Summer School obtain a special examination not earlier than the fifth day before the regularly scheduled examination. If he takes such examination, the total credit in each course is reduced by one sixth; in other words, the student is interpreted as having completed five weeks of Summer School, and his maximum allowable credit, therefore, is five semester hours.

NEW REQUIREMENTS FOR MASTER'S DEGREES

The Southern University Conference, consisting of leading educational institutions of the South interested in graduate work, has agreed that Master's degrees in summer school should represent a full year of residence as the term residence is understood during that academic year, exclusive of holidays and other interruptions of the academic year. This means a minimum period of thirty-three weeks and has these effects among others:

1. The extended period (of thirty-three weeks instead of thirty) makes it possible to give students preparing to write Master's theses a better opportunity to prepare for their thesis writing. In some departments research courses in which the student may do certain elementary preliminary work on his thesis have already been provided.

2. The period of thirty-three weeks conveniently divides into three periods of eleven weeks each, making it possible for the Summer School to begin nearly a week later and give the student a full period of eleven weeks well before the last day of August. For some time it has been hard to work in a full period of twelve weeks without serious inconvenience to many students because of early entrance for the first term or getting away late from the last term. Under the new plan students are advised not to try more than eleven weeks (eleven semester hours of credit) in one summer. However, for those students working under the old rules who wish to obtain twelve weeks credit this summer, a full period of twelve weeks has been provided as announced in this bulletin. It is possible that the twelve-weeks term will within the next year or two be abandoned in favor of the quarter of eleven weeks.

3. The extended period makes possible a revision of the Master of Education degree in such a way as to abolish the thesis requirement and substitute work of probably greater value to the student. The requirements of the new Master of Education degree are set forth in the following paragraphs. It will be observed that they are probably more difficult than the old requirements, but the good student will probably have more when he completes them than he would have had under the old requirements including a thesis.

Students who started Master's degrees under regulations enforced prior to 1938 will have the normal time in which to complete their degrees under the old plan. The new requirements are sufficiently different from the old to make it hard for students with more than twelve semester hours of credit under the old plan to transfer to the new without loss. Anyone who transfers will be responsible for a minimum of thirty-three

semester hours, or a residence period of thirty-three weeks. (Under "Graduate Instruction," two pages further along in this bulletin, the details of the new requirements are set forth.) The principal changes in the requirements for the Master of Arts degree are the new minimum residence period of thirty-three weeks (five and one half terms of six weeks, or three "quarters" of eleven weeks), the more specific statement of undergraduate prerequisites (see the introductory statements under each department of instruction that offers a Master's sequence in Summer School), and the requirement in most departments of a pre-thesis research course, in which, however, the student will ordinarily have some opportunity to get a start upon his thesis. This, in effect, gives the student nine weeks of supervision for his thesis at the same time that it clears up the status of some of the research courses.

The changes in the Master of Education requirements are more radical. They not only require a minimum residence period of three "quarters" or five and one half summer terms of six weeks, but they abolish the thesis requirement heretofore made and substitute the following work with final written examinations upon each part:

(A) Four courses intended to help the student learn to read independently and obtain a basic understanding of education and the school, these courses being conducted on a plane analogous to Honors reading* and described as follows:

Education S300.—The place of educational research, its methods of procedure, evaluation of results, special problems, etc.

Education S304.—The school as an institution—the place of the school in society, its history, and philosophy.

Education S305.—The nature, function, and organization of the curriculum.

Education S317.—The psychological principles of education—an advanced study of teaching, learning, and the learner.

(B) The work of the minor department, including any undergraduate prerequisite the student finds it necessary to study by supervised outside reading. (For example, many teachers of history and social studies have not had undergraduate work in government or economics or sociology, yet they wish to take their minor work in this missing department in order that they may have a better background for their teaching. Under the new plan, the Summer School can encourage this desirable strengthening of preparation in the subject matter by giving reading lists based on the preliminary undergraduate work in order that the student may have the background to go on with the minor of his choice. It would seem that a teacher of American history, for example, can by independent reading and a minimum of supervision obtain the elementary knowledge of American government necessary as a basis for minor work. It is the policy of the Summer School to encourage through the Master of Education degree independent reading as a basis for the minor as well as for the four "core" courses listed above.)

* Voluntary class attendance is permitted students enrolling in these courses for reading credit, except that such students are expected to report at least once in three days for discussion.

(C) Carefully defined major work in (a) public school administration, (b) public school supervision, (c) elementary education, or (d) secondary education, as the professional major. (It will be observed that the degree is intended for those who definitely desire their work for professional purposes. The Master of Education degree is, therefore, not offered with a major in educational psychology or history of education. Students in these two fields would be expected to enroll for the Master of Arts degree, whereas students with majors in the other fields mentioned have choice between meeting Master of Education requirements and Master of Arts requirements.)

Students in education, when choosing between the Master of Arts degree with a major in education and the Master of Education degree, should understand that either degree may be completed within a minimum residence of three summer "quarters" of eleven weeks each, or five and a half summer terms of six weeks each; that both degrees are administered by the Graduate School, and only graduate courses are approved for the degrees; and that students who subsequently decide to go on to the Doctor of Philosophy degree may have their credits for either Master's degree evaluated toward the higher degree.

THESIS WRITING IN SUMMER SCHOOL

Since Duke University grants no Master of Arts degree except upon completion of a satisfactory thesis, every candidate for that degree who expects to complete his work in Summer School should as soon as possible after completing his first term of residence choose a field in which he desires to write a thesis and confer with some instructor offering graduate courses in that field. The following points should be kept clearly in mind when arrangements are made for thesis supervision:

1. The subject of the thesis must be approved by the instructor who undertakes the supervision. The instructor's decision as to whether the topic is suitable, or the student is prepared to develop it, or the instructor prepared to supervise it, is final.

2. A student may enroll for six semester hours of residence credit towards a thesis or for less, in one term of six weeks. If he enrolls for only three semester hours he may enroll also for a course of three semester hours, but he cannot enroll for a total of more than six semester hours of credit, including residence toward his thesis. Completion of six semester hours of residence toward his thesis does not guarantee the satisfactory completion of the thesis, which must be acceptable to the instructor supervising it and to a committee representing the Council on Graduate Instruction. Students who do not complete their theses the first term they register for supervision have the privilege of registering a second term upon payment of regular dues, but are not required to do so. Since the numbers permitted to enroll in thesis seminars are strictly limited, such students are not permitted to register for a third term of supervision.

3. A student may either enroll in a specifically designated "thesis" course or, if his preparation meets the approval of the instructor in charge, attach himself to some regularly offered course in his field of study and report periodically to the instructor offering the course.

A student enrolling for thesis residence credit in regular course pays the same fees as other students during the summer of residence. At the time of

graduation he pays the same diploma and commencement fees as other students and a thesis supervision fee of \$25.00.*

5. Students enrolling for thesis supervision during the Summer School are expected to complete their theses largely during the summer of enrollment or some subsequent summer term. The instructor with whom they enroll is not under obligation to give active supervision during the academic year, although instructors are willing to give a reasonable amount of attention to theses practically completed. Similarly, instructors in Duke University who are not teaching in the Summer School are not expected to undertake the supervision of theses written by summer school students.

6. Students of the academic year who do not complete theses begun prior to Summer School are not accepted for summer school enrollment unless their subjects are in the field of some thesis seminar or other course offered by an instructor who recommends that such students be assigned to his supervision during the summer. Instructors who are employed for full time by the Summer School are specifically requested not to carry over into the summer thesis students whose subjects are not properly a part of work such instructors are offering in the Summer School.

FEES

Teachers in active full-time service in schools and colleges are exempt from tuition fees for as many as four terms of six weeks in a period of six years. After their fourth term they pay regular tuition charges. All other students are charged a tuition fee of \$8.00 for each college-credit hour, or \$4.00 for each semester hour, maximum tuition being \$24.00 for six weeks, or \$30.00 for courses running seven weeks. All students, teachers included, pay a registration fee of \$18.50 per term. Students in the sciences pay the laboratory fees required in regular term, and students completing degrees pay the regular commencement charges at the time of receiving their degrees, besides the thesis supervision or M.Ed. examination fee of \$25.00 required of persons completing Master's degrees.

Major expenses are estimated as follows for each term:

Registration	\$18.50
Room-rent and board	47.50
Recreation ticket	1.00
Total major expenses to teachers	<u>\$67.00</u>

In the men's dormitories, as has been stated, the charge for rooms is one dollar less, making the total major expenses for occupants \$66.00. To these totals should be added the tuition fee of \$24.00 charged students other than teachers in the public schools and also charged teachers who have already received four terms exemption, about \$7.00 for books, and probably \$3.00 for miscellaneous expenditures. All claims for exemption from tuition should be filed at the time of registration.

* Students completing the M.Ed. degree by examination pay examination fee of \$25.00 in lieu of the thesis supervision fee.

COURSES OF INSTRUCTION

EXPLANATIONS AND ABBREVIATIONS

Classes meet daily five times per week for six weeks unless otherwise indicated. Classes that meet for sixty-minute periods are indicated as carrying two semester hours of credit. Classes meeting eighty-five-minute periods daily count for three semester hours except where credits are stated otherwise. Courses are arranged alphabetically by departments. The course numbers are the same numbers used in describing courses in the regular term, with the letter "S" preceding; for example, Chemistry S1 would correspond to Chemistry 1 of the regular term.

N.B.—Different State Departments of Education grant professional credit for various courses in accordance with their own carefully defined rules. Every student should inquire carefully at or before registration as to what professional credit is allowed for each course in his state.

THESIS COURSES FOR MASTER'S DEGREE CANDIDATES

It is important for every candidate for a Master of Arts degree to plan for his thesis as soon as possible after he completes his first summer school. (See suggestions for planning theses, pages 309-310, this bulletin.) Special attention is called to Education S300, S300X, S322, S334X, Chemistry S275X, English S304, S307, S308, S319, S329, S332, History S308, S315, S317, S333, S343, Mathematics S389X, S390X, Physics S353X, Political Science S310, Religion S398, Sociology S340, Spanish S374, and Zoology S353. A properly qualified student, however, may with the approval of the instructor and the head of his department attach himself to any graduate course for thesis supervision.

BIOLOGY

See courses listed under Botany and Zoology.

BOTANY

- S202. Genetics.—3 s.h. MR. PERRY
- S203. Plant Cytology.—Prerequisite: one year of botany. 3 s.h.
MR. L. E. ANDERSON
- S210. Mosses and Ferns.—3 s.h. MR. L. E. ANDERSON
- S252. Plant Physiology.—3 s.h. MR. KRAMER
- S359. Research in Botany.—Credit to be arranged. STAFF
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The following courses are planned at the Marine Laboratory in Beaufort, North Carolina:

- S211. Structure and Classification of Algae.—6 s.h.
MR. BLOMQUIST AND ASSISTANTS
- S225. Special Problems. MR. BLOMQUIST
- S355. Biological Seminar.—1 s.h. each term.
MR. BLOMQUIST, MR. BOOKHOUT, MR. PEARSE

S359. Research: Taxonomy, Morphology.

MR. BLOMQUIST

For particulars as to expense, etc., write the Director of the Summer School or Dr. H. L. Blomquist, Chairman, Department of Botany, Duke University.

CHEMISTRY

S1. General Inorganic Chemistry.—4 s.h.

MR. R. N. WILSON AND MR. AYERS

S2. General Inorganic Chemistry.—4 s.h.

MR. R. N. WILSON AND MR. AYRES

S61. Qualitative Analysis.—4 s.h.

MR. HOBBS AND MR. DIBELER

S70. Quantitative Analysis.—4 s.h.

MR. HILL AND MR. E. S. SMITH

S151. Organic Chemistry.—4 s.h.

MR. BRADSHAW AND MR. ABRAMOVITCH

S152. Organic Chemistry.—4 s.h.

MISS BROWN AND MR. TOMPSON

S261. Physical Chemistry.—Prerequisites: Chemistry S70, S151-152, Physics S1-S2 or equivalent, and Mathematics 7-8 or equivalent. 3 s.h.

MR. SAYLOR AND MR. LINSCHITZ

S262. Physical Chemistry.—3 s.h.

MR. SAYLOR AND MR. LINSCHITZ

S275X. Thesis Research.—2 to 8 s.h.

MR. BIGELOW, MR. HILL, AND MR. HOBBS

ECONOMICS

S51. Principles of Economics.—3 s.h.

MR. EITEMAN

S52. Principles of Economics.—3 s.h.

MR. LANDON

S57-S58. Principles of Accounting.—6 s.h.

MR. BLACK (*first three weeks*)

MR. KEECH (*second three weeks*)

S115. Economic Geography: Teachers' Course.—3 s.h.

MR. LEMERT

S116. Economic Geography and Industrial Organization.—3 s.h.

MR. LEMERT (*first term*)

MR. LANDON (*second term*)

S171-S172. Advanced Accounting.—6 s.h.

MR. SHIELDS

S204. Money, Banking, and Credit.—3 s.h.

MR. WELFLING

S211. Development of Economic Thought.—3 s.h.

MR. EITEMAN

S218. Population, Resources, and Standards of Living.—3 s.h.

MR. SPENGLER

S231. The Economic History of Modern Europe.—3 s.h.

MR. R. S. SMITH

S232. The Economic History of the United States.—3 s.h.

MR. R. S. SMITH

S236. Public Finance.—3 s.h.

MR. WELFLING

S260. Social Insurance.—3 s.h.

MR. DEVYVER

S318X. Seminar in Economics.—3 s.h.

MR. SPENGLER

EDUCATION

PUBLIC SCHOOL ADMINISTRATION (GRADUATE COURSES)

(Master's candidates in this division elect their minor work in Political Science, Economics, or Sociology. Candidates for the Master of Education under the new plan must take fifteen semester hours of work from the courses specifically listed under this division.)

S203. Principles of School Administration.—Prerequisite: six semester-hours of courses in classroom management and educational psychology. 3 s.h.
MR. OVERN

S213. Problems of the Organization and Administration of the Elementary School.—3 s.h.
MR. HILLEGAS

S224A. Current Problems in Public Education as Revealed through School Surveys: Elementary School Section.—3 s.h.
MR. GAMBLE

S224B. Current Problems in Public Education as Revealed through School Surveys: Secondary School Section.—3 s.h.
MR. GAMBLE

S234. Secondary School Organization and Administration.—3 s.h.
MR. J. M. GWYNN AND MR. HOWARD (*first term*)
MR. GOLDTHORPE (*second term*)

S253. Legal Phases of School Administration.—3 s.h.
MR. PUNKÉ

S323. Public School Finance.—3 s.h.
MR. GOLDTHORPE

S333X. Thesis Seminar: Research in School Administration.—Credit to be arranged.
MR. OVERN

S343. State and County School Administration.—3 s.h.
MR. GOLDTHORPE

S353. Economic and Social Aspects of School Administration.—Prerequisite: six semester-hours in school administration. 3 s.h.
MR. GOLDTHORPE

S353A. Education as Public Policy.—3 s.h.
MR. ARROWOOD

S363. City School Organization and Administration.—3 s.h.
MR. PROCTOR

S373. Business Problems of School Administration.—3 s.h.
MR. HOWARD

PUBLIC SCHOOL SUPERVISION (GRADUATE COURSES)

(Master's candidates in this division elect their minor work in Psychology or an approved combination with Educational Psychology, or in Sociology. Master of Education candidates are permitted as many as nine semester hours of work in their minor, but take the remaining twelve or fifteen, if minor is only six hours, from courses specifically described or listed under Supervision.)

S209. Statistical Methods in Education.—3 s.h.
MR. ODELL

S222. The Curriculum and Materials of the Elementary Grades.—3 s.h.
MR. HILLMAN

S224A. Current Problems in Public Education as Revealed through School Surveys: Elementary School Section.—3 s.h.
MR. GAMBLE

S224B. Current Problems in Public Education as Revealed through School Surveys: Secondary School Section.—3 s.h.
MR. GAMBLE

S232. Elementary School Supervision.—3 s.h.
MR. OVERN

S233. Administrative Pupil Accounting.—3 s.h.
MR. PROCTOR

- S233A. Pupil Personnel Problems in the Elementary School: Guidance.—
3 s.h. MISS STRANG
- S273. Problems of High-School Supervision.—3 s.h. MR. HIGHSMITH
- S287. Problems of Mentally and Educationally Retarded Children.—3 s.h.
MR. WALLIN
- S288. Problems of Mental Hygiene and Education.—3 s.h.
MR. HOLSOPPLE
- S289. Character and Personality Testing.—3 s.h. MR. ODELL
- S293. Problems of the Teaching Personnel.—3 s.h. MR. OVERN
- S305. The Nature, Function, and Reorganization of the Curriculum.—
3 s.h. MR. CARR

EDUCATIONAL PSYCHOLOGY (GRADUATE COURSES)

(The Master of Education degree is not offered in this division. Master of Arts candidates should choose Psychology for their minor subject. It will be observed that certain of the courses listed under Educational Psychology are also listed under Supervision, Secondary Education, or Elementary Education.)

- S208. Mental Tests and Applications.—Prerequisite: course S258 or six semester-hours of other work in educational psychology or psychology. 3 s.h.
MR. EASLEY
- S209. Statistical Methods in Education.—3 s.h. MR. ODELL
- S212. Psychology of the Elementary School Subjects.—3 s.h.
MR. G. W. BOND
- S216. Psychological Principles of Secondary Education.—3 s.h.
MR. PUNKÉ (*first term*)
MR. G. W. BOND (*second term*)
- S218. Educational Implications of Genetic Psychology.—Prerequisite: six semester-hours of psychology or educational psychology. 3 s.h.
MR. BROWNELL
- S222. The Curriculum and Materials of the Elementary Grades.—3 s.h.
MR. HILLMAN
- S227. Psychology of Learning: Problems.—3 s.h. MR. EASLEY
- S237. Investigations in Reading.—3 s.h. MR. TIREMAN
- S237A. Investigations in Reading: Primary Section.—3 s.h.
MR. TIREMAN
- S237B. Investigations in Reading: Grammar Grade Section.—3 s.h.
MR. TIREMAN
- S247A. Investigations in Arithmetic: Primary Section.—3 s.h.
MISS JOHN
- S247B. Investigations in Arithmetic: Grammar Grade Section.—3 s.h.
MISS JOHN
- S257. Investigations in Language.—3 s.h. MR. TIREMAN
- S258A. Educational Measurements in the Secondary Schools.—3 s.h.
MR. ODELL

- S258B. Educational Measurements in the Elementary Schools.—3 s.h.
MR. ODELL
- S287. Problems of Mentally and Educationally Retarded Children.—3 s.h.
MR. WALLIN
- S288. Problems of Mental Hygiene and Education.—3 s.h.
MR. HOLSOPPLE
- S289. Character and Personality Testing.—3 s.h.
MR. ODELL
- S300. Introduction to Educational Research.—3 s.h.
MR. SCATES
- S300X. Educational Research.—3 s.h.
MR. SCATES
- S317. The Psychological Principles of Education.—3 s.h. MR. BROWNELL
- S347. Research in Arithmetic.—3 s.h.
MR. BROWNELL

HISTORY OF EDUCATION (GRADUATE COURSES)

(The Summer School does not offer a major in this division. Some of the courses that normally would be listed here are found in other divisions. For example, S224, S353, S353A under Public School Administration.)

- S214. History of Education in the United States.—3 s.h. MR. ARROWOOD
- S264. The American School System.—3 s.h. MR. ARROWOOD
- S304. The School as an Institution.—3 s.h. MR. ARROWOOD (*first term*)
MR. PUNKÉ (*second term*)

SECONDARY EDUCATION (GRADUATE COURSES)

(Master's candidates in this division should elect minor work in their teaching subject, or in Psychology or Sociology, Master of Education candidates are required to elect their minor work in their teaching subject, and all of their work in Education must come from courses listed in this division.)

- S200. Introduction to the Philosophy of Education.—3 s.h. MR. STOWE
- S205. Curriculum Problems in Secondary Education.—3 s.h.
MR. J. M. GWYNN (*section 1*)
MRS. HAWKES (*section 2*)
- S206. Sociological Foundations of Secondary Education.—3 s.h.
MR. P. H. GWYNN (*first term*)
MR. PUNKÉ (*second term*)
- S216. Psychological Principles of Secondary Education.—3 s.h.
MR. PUNKÉ (*first term*)
MR. G. W. BOND (*second term*)
- S226. Teaching of History and the Social Studies.—3 s.h. MRS. HAWKES
- S234. Secondary School Organization and Administration.—3 s.h.
MR. J. M. GWYNN AND MR. HOWARD (*first term*)
MR. GOLDTHORPE (*second term*)
- S246. The Teaching of High-School Mathematics.—3 s.h.
MR. W. W. RANKIN

- S273. Problems of High-School Supervision.—3 s.h. MR. HIGHSMITH
- S276. The Teaching of High-School Science.—Prerequisite: at least eighteen semester-hours of science in college. 3 s.h. MR. SLAY
- S320. Problems of Secondary and Higher Education.—3 s.h. MR. STOWE
- S334X. Thesis Seminar in Secondary Education.—3 s.h.
MR. CHILDS (*first term*)
MRS. HAWKES (*second term*)

ELEMENTARY EDUCATION (GRADUATE COURSES)

(Master's candidates in this division should take their minor work of six semester hours in Psychology, Educational Psychology, or an approved combination of the two, or in Child Welfare and Development—wholly in Sociology, or partly Sociology and Psychology, or Educational Psychology, if a satisfactory combination can be worked out. Master of Education candidates in this division must take fifteen semester hours of work described or listed under Elementary Education.)

- S212. Psychology of the Elementary School Subjects.—3 s.h.
MR. G. W. BOND
- S213. Problems of Elementary Administration.—3 s.h. MR. HILLEGAS
- S218. Educational Implications of Genetic Psychology.—3 s.h.
MR. BROWNELL
- S222. The Curriculum and Materials of the Elementary Grades.—3 s.h.
MR. HILLMAN
- S232. Elementary School Supervision.—3 s.h. MR. OVERN
- S233A. Pupil Personnel Problems in the Elementary School: Guidance.—
3 s.h. MISS STRANG
- S237. Investigations in Reading.—3 s.h. MR. TIREMAN
- S237A. Investigations in Reading: Primary Section.—3 s.h.
MR. TIREMAN
- S237B. Investigations in Reading: Grammar Grade Section.—3 s.h.
MR. TIREMAN
- S247A. Investigations in Arithmetic: Primary Section.—3 s.h.
MISS JOHN
- S247B. Investigations in Arithmetic: Grammar Grade Section.—3 s.h.
MISS JOHN
- S257. Investigations in Language.—3 s.h. MR. TIREMAN
- S267. Studies in the Teaching of Elementary School Science.—Prerequisite: at least eighteen semester-hours of science in college. 3 s.h.
MR. SLAY
- S287. Problems of Mentally and Educationally Retarded Children.—3 s.h.
MR. WALLIN
- S288. Problems of Mental Hygiene and Education.—3 s.h.
MR. HOLSOFFLE

- ## UNDERGRADUATE COURSES

Undergraduate students in Trinity College are required to take six semester hours of physical education, divided into four courses taken one each term during their first two years in college. Among the courses offered to meet the physical education requirements are Swimming S13 (for beginners), and Swimming 63 and 14.5 (for more advanced students). By request, these courses are offered for men the first term this summer on the West Campus, under the direction of Swimming Coach W. S. Persons. Course 13 is scheduled for Period 1, and course 63 for Period 2. Each course carries physical education credit of one and one half semester hours, is limited to a maximum enrollment of thirty students and involves a special fee of \$5.00. Similarly, arrangements can be made for women on the East Campus the first term of Summer School if there is sufficient demand.

ENGINEERING

C.E. S10. Plane Surveying.—Prerequisite: drawing and trigonometry.
3 s.h. MR. W. H. HALL, MR. BIRD, MR. J. D. WATSON,
AND MR. WILLIAMS

C.E. S110. Plane Surveying.—Prerequisite: drawing and trigonometry.
3 s.h. MR. BIRD

ENGLISH

Master's candidates in English are required to complete at least three semester-hours in Chaucer or certain other designated courses. Master's candidates who have completed as many as twelve semester-hours of graduate work should take also the bibliography course, S301, at their earliest opportunity.

S1. English Composition.—3 s.h.	MR. HARWELL
S2. English Composition.—3 s.h.	MR. HARWELL
S55. Representative English Writers.—3 s.h.	MR. SANDERS
S120. History of the Theater.—3 s.h.	MR. WEST
S121. Play Production.—3 s.h.	MR. WEST
S123. Shakespeare.—3 s.h.	MR. MITCHELL
S124. Shakespeare.—3 s.h.	MR. MITCHELL
S137. American Literature prior to 1850.—3 s.h.	MR. HORNBERGER
S139. The Speaking Voice.—3 s.h.	MR. WEST
S146. English Poetry, 1832-1900.—3 s.h.	MR. SANDERS
S151. Speech.—3 s.h.	MR. LEWIS
S152. Argumentation.—Prerequisite: English S151. 3 s.h.	MR. LEWIS
S163. Folk Background of Literature.—3 s.h.	MR. J. M. CARPENTER
S203. Chaucer.—3 s.h.	MR. BAUGH
S204. Chaucer Problems.—3 s.h.	MR. BAUGH
S208. English Drama from the Beginnings to 1560.—3 s.h.	MR. SPARGO
S210. English Literature, 1660-1700.—3 s.h.	MR. WARD
S212A. Seventeenth-Century Nondramatic Poetry.—3 s.h.	MR. PARKER
S213. Folk Background of Literature.—3 s.h.	MR. J. M. CARPENTER
S216. The English Drama in the Reign of James I.—3 s.h.	MR. GILBERT
S220. English Literature, 1750-1800.—3 s.h.	MR. R. P. BOND
S221. English Drama, 1660-1780.—3 s.h.	MR. WARD
S223. Survey of Early Nineteenth-Century Literature.—3 s.h.	MR. GRIGGS
S225A. Early Victorian Literature: Browning.—3 s.h.	MR. GRIGGS
S226. Later Victorian Literature, 1850-1900.—3 s.h.	MR. GRIGGS

- S227. Literary Criticism.—3 s.h. MR. GILBERT
- S229. American Literature, 1800-1870: The New England Writers.—3 s.h.
MR. HORNBERGER
- S230. American Literature, 1800-1870: Middle Atlantic and Southern.—
3 s.h. MR. C. R. ANDERSON
- S233. American Literature since 1870: Part I.—3 s.h. MR. MABBOTT
- S243. History of the English Language.—3 s.h. MR. SPARGO
- S268. Milton: Minor Poems and Prose Writings.—3 s.h. MR. PARKER
- S269. Southern Literature and Culture before 1865.—3 s.h. MR. HUBBELL
- S301. Bibliography and Methods of Research.—3 s.h. MR. SPARGO
- S304. Studies in Poe.—3 s.h. MR. MABBOTT
- S307. Seminar in American Literature prior to 1870.—3 s.h.
MR. C. R. ANDERSON
- S308. Seminar in American Literature since 1870.—3 s.h. MR. HUBBELL
- S311. English Literature from the Norman Conquest to Chaucer, Part I.—
3 s.h. MR. BAUGH
- S312. English Literature from the Norman Conquest to Chaucer, Part II.—
3 s.h. MR. BAUGH
- S319. Seminar in English Literature, 1700-1780.—3 s.h. MR. R. P. BOND
- S323. Studies in Coleridge.—3 s.h. MR. GRIGGS
- S329. Seminar in Sixteenth- and Seventeenth-Century English Literature.
—3 s.h. MR. GILBERT

FORESTRY

Candidates for the Bachelor of Science degree with a major in Forestry are required to take Civil Engineering S110 (Plane Surveying) in Summer School at the close of their Junior year. This course is listed under Engineering, page 318, this bulletin. Candidates in Forestry are also expected to take the following courses after completing the required work in Engineering.

- S150. Forest Surveying.—Prerequisite: Civil Engineering S110, Plane Surveying, or equivalent. 5 s.h. MR. MAUGHAN
- S151. Forest Mensuration.—4 s.h. MR. SCHUMACHER

FRENCH

- S1. Elementary French.—3 s.h. MISS RAYMOND
- S2. Elementary French.—3 s.h. MR. HASBROUCK
- S3. French Prose.—Prerequisite: French S1-S2 or two years of high-school French. 3 s.h. MR. BROWN
- S4. French Prose.—Prerequisite: French S3. 3 s.h. MR. COWPER
- S51. Introduction to French Literature.—Prerequisite: French S3-S4 or equivalent. 3 s.h. MR. G. DAVIS

- S52. Introduction to French Literature.—Prerequisite: French S51. 3 s.h.
MR. G. DAVIS
- S205. The Psychological Novel in France.—3 s.h. MR. JORDAN
- S211. Nineteenth-Century French Drama.—3 s.h. MR. COWPER
- S217. French Phonetics.—3 s.h. MR. WEBB
- S226. The French Short Story of the Nineteenth Century.—3 s.h.
MR. JORDAN
- S227. The Parnassian Movement and its Expression in the Works of Anatole France.—3 s.h. MR. WALTON
- S233. Main Currents of Modern French Literature.—3 s.h. MR. WALTON

GEOGRAPHY

See courses listed under Economics.

GEOLOGY

- S51-S52. General Geology.—8 s.h. MR. BERRY AND MR. JENKINS

GERMAN

- S3. Intermediate German.—3 s.h. MR. KRUMMEL
- S4. Intermediate German.—3 s.h. MR. KRUMMEI
- S107. Scientific German.—3 s.h. MR. MAXWELL
- S108. Advanced Scientific German.—3 s.h. MR. MAXWELL

GOVERNMENT

See courses listed under Political Science.

GREEK LITERATURE

(In English Translation)

- S121. Homer.—3 s.h. MR. JERNIGAN
- S122. Greek Literature: The Great Tragedies.—3 s.h. MR. JERNIGAN

HISTORY

- S51. Modern and Contemporaneous Europe.—3 s.h. MR. ROPP
- S52. Modern and Contemporaneous Europe.—3 s.h.
MR. ROPP (*first term*)
MR. MCCLOY (*second term*)
- S91. Political and Social History of the United States to 1850.—3 s.h.
MR. BETTERSWORTH (*first term*)
MR. C. S. DAVIS (*second term*)
- S92. Political and Social History of the United States since 1850.—3 s.h.
MR. BETTERSWORTH (*first term*)
MR. C. S. DAVIS (*second term*)

S101. Development of Western European Civilization to about 500 A.D.—
3 s.h. MR. MANCHESTER

S102. Development of Western European Civilization from 500 to 1563
A.D.—3 s.h. MR. MANCHESTER

S203. The Union, Confederacy, and Reconstruction.—3 s.h.
MR. SWEARINGEN (*first term*)
MR. WOODY (*second term*)

S208A. American Social History to 1850.—3 s.h. MR. SHRYOCK

S208B. American Social History since 1850.—3 s.h. MR. ROBERT

S213. Recent History of the United States.—3 s.h. MR. GATES

S215. History of the United States' Foreign Policy prior to 1876.—3 s.h.
MR. CLYDE

S217. Europe, 1870-1914.—3 s.h. MR. MATHEWS

S218. Europe since 1914.—3 s.h.
MR. WEDEL (*first term*)
MR. MATHEWS (*second term*)

S221. The Age of the Renaissance: Political, Social, and Economic
History.—3 s.h. MR. DURAND

S222. The Age of the Renaissance: Intellectual History.—3 s.h.
MR. DURAND

S232. Hispanic Republics of the New World.—3 s.h. MR. LANNING

S236. The South in Federal Politics, 1789-1860.—3 s.h. MR. GREEN

S237. Social and Intellectual Development of the Old South.—3 s.h.
MR. SWEARINGEN

S266. The Westward Movement in the United States since 1850.—3 s.h.
3 s.h. MR. GATES

S268. Social History of Western Europe during the Eighteenth Century.—
3 s.h. MR. MCCLOY

S308. Seminar: Social History of the United States.—3 s.h.
MR. SHRYOCK (*first term*)
MR. ROBERT (*second term*)

S315. Seminar in Southern History.—3 s.h. MR. GREEN (*first term*)
MR. WOODY (*second term*)

S317. Seminar in Modern European History.—3 s.h. MR. WEDEL

S325-S326. British Nationality and Public Opinion.—6 s.h. MR. LAPRADE

S333. Studies in Hispanic-American History and Related Fields.—Pre-
requisite: History S231 or S232 and S234. 3 s.h. MR. LANNING

S343. Seminar in the History of American Foreign Relations and the Far
East.—3 s.h. MR. CLYDE

MATHEMATICS

S204. Teaching of Mathematics.—Prerequisite: integral calculus. 3 s.h.
MR. W. W. RANKIN

S205. Modern Developments in Mathematics.—3 s.h. MR. MURNAGHAN

S207. Fundamental Concepts in Algebra, Analysis, and Geometry.—3 s.h.

MR. ROBERTS

S225. Theory of Equations.—Prerequisite: differential calculus. 3 s.h.

MR. CARLITZ

S226. Galois' Theory of Equations.—Prerequisite: Mathematics S225 or special permission from instructor. 3 s.h.

MR. THOMAS

S239. Advanced Calculus.—Prerequisite: integral calculus. 3 s.h.

MR. GERGEN

S240. Advanced Calculus.—Prerequisite: Mathematics S239 or special permission from instructor. 3 s.h.

MR. THOMAS

S255. Projective Geometry.—Prerequisite: differential calculus. 3 s.h.

MR. CARLITZ

S256. Projective Geometry.—Prerequisite: S255 or special permission from instructor. 3 s.h.

MR. ROBERTS

S284. Vector Analysis.—Prerequisite: integral calculus. 3 s.h.

MR. MURNAGHAN

S325. Real Variable.—Prerequisite: S239. 3 s.h.

MR. GERGEN

S389X. Thesis Seminar.

MR. CARLITZ, MR. GERGEN, AND MR. MURNAGHAN

S390X. Thesis Seminar.

MR. ROBERTS AND MR. THOMAS

MUSIC

S151. Materials and Methods in Public School Music.—3 s.h.

MR. BRUINSMA

PHYSICS

For admission to candidacy for a Master's degree with major in Physics, students must have completed a minimum of twelve semester hours of Physics. This course work, together with the work in the field of the proposed minor, must be approved by the Department through the Director of Graduate Studies.

S1-S2. General Physics.—8 s.h.

MR. D. W. CARPENTER, MR. PATTERSON, AND MR. RICHARDS

S106. Photography.—3 s.h.

MR. BONNER

S207. Electricity and Magnetism.—3 s.h.

MR. CONSTANT

S208. Electricity and Magnetism.—3 s.h.

MR. MOUZON

S353X. Research Seminar.—2 to 6 s.h.

MR. BONNER AND MR. MOUZON

POLITICAL SCIENCE

S61. American Government and Politics.—3 s.h.

MR. GIBSON (*first term*)

MR. SIMPSON (*second term*)

S62. American Government and Politics.—3 s.h.

MR. GIBSON (*first term*)

MR. SIMPSON (*second term*)

S209. State and Local Government in the United States.—3 s.h.	MR. R. S. RANKIN
S225. Comparative Government.—3 s.h.	MR. COLE
S226. Comparative Government.—3 s.h.	MR. COLE
S242. The Administrative Process.—3 s.h.	MR. SHIPMAN
S246. Legislation.—3 s.h.	MR. SHIPMAN
S310. Seminar in State Government.—3 s.h.	MR. R. S. RANKIN

PSYCHOLOGY

S101. Introduction to Psychology: General Principles of Mental Activity and Growth.—3 s.h.	MR. KEMP
S204. Psychology of Motivation.	MR. ZENER
S207. Psychology of Thinking, Memory, Perceiving.—3 s.h.	MR. ZENER
S217. Gestalt Theory.—3 s.h.	MR. ADAMS
S315. Child Psychology.—3 s.h.	MR. ADAMS

RELIGION

S103. The Prophets of the Old Testament.—3 s.h.	MR. MYERS
S116. The Teachings of Jesus.—3 s.h.	MR. MYERS
S281. The Nature and Early Development of Religion.—3 s.h.	MR. CANNON
S284. Ideas of the Future Life and Ethics in the Religions of the World.—3 s.h.	MR. CANNON
S291. Christian Ethics.—3 s.h.	MR. H. S. SMITH
S398. Seminar in Christian Ethics.—3 s.h.	MR. H. S. SMITH

The following courses will be given in the Junaluska School of Religion, Lake Junaluska, North Carolina, July 21 to August 30, 1941:

S319. The Life and Letters of Paul.	MR. K. W. CLARK
S320. Apocalyptic Literature.	MR. K. W. CLARK
S323. The Christian Conception of the Church.	MR. OUTLER
S328. Current Theology.	MR. OUTLER
S335. The Church in America.	MR. GARBER
S338. Methodism.	MR. GARBER
S361. The Educational Work of the Church.	MR. MAYNARD
S362. Leadership Training for Christian Student Work.	MR. BEIMFOHR
S381. Missions in the Modern World.	MR. E. T. CLARK

S386. Missionary Promotion.

MR. E. T. CLARK

S391. Philosophy of Religion.

MR. BENTON

For the work at Junaluska credits of three semester hours per course, not to exceed a maximum of six semester hours during the six-weeks term, are allowed qualified students toward the A.B. and B.D. degrees. For admission students should have the equivalent of senior standing in a standard college.

For bulletin and other information, address Professor Paul N. Garber, Director Junaluska School of Religion, Duke University, Durham, N. C.

Note.—The instructional staff of the Junaluska School of Religion is as follows:

PAUL NEFF GARBER, A.B., A.M., Ph.D.; Professor of Church History and Director of Junaluska School of Religion, Duke University.

HERMAN N. BEIMFOHR, A.B., A.M., B.D.; Director of Wesley Foundations, Southern California-Arizona Conference.

JOHN KEITH BENTON, A.B., B.D., Ph.D.; Dean of School of Religion, Vanderbilt University.

ELMER TALMAGE CLARK, A.B., M.A., B.D., S.T.D., LL.D.; Assistant Secretary, Board of Missions of the Methodist Church.

KENNETH WILLIS CLARK, A.B., B.D., Ph.D.; Assistant Professor of New Testament, Duke University.

DONALD M. MAYNARD, A.B., B.D., Ph.D.; Professor of Religious Education, Scarritt College.

ALBERT COOK OUTLER, A.B., B.D., Ph.D.; Assistant Professor of Historical Theology, Duke University.

SOCIOLOGY

Attention is called to the fact that course S101 is a prerequisite to all other courses in the Department.

S101. General Sociology.—3 s.h.

MR. ROOT

S205. Social Pathology.—3 s.h.

MR. ROOT

S206. Criminology.—3 s.h.

MR. JENSEN

S212. Child Welfare.—3 s.h.

MR. JENSEN

S220. Rural Sociology.—3 s.h.

MR. THOMPSON

S231. Cultural Anthropology.—3 s.h.

MR. HART

S242. Marriage and the Family.—3 s.h.

MR. HART

S340. The Sociology of the South.—3 s.h.

MR. THOMPSON

SPANISH

S1. Elementary Spanish.—3 s.h.

MR. BRIDGERS

S2. Elementary Spanish.—3 s.h.

MR. BRIDGERS

S3. Intermediate Spanish.—3 s.h.

MR. HASBROUCK

S4. Intermediate Spanish.—3 s.h.

MR. HASBROUCK

S65. Introduction to Modern Spanish Literature.—3 s.h.

MR. BROWN

S66. Introduction to Spanish Literature of the Golden Age.—3 s.h.

MR. LUNDEBERG

S260. Advanced Syntax and Composition.—Prerequisite: Spanish 65-66.
3 s.h. MR. REID

S374. Seminar in Modern Spanish Novel.—3 s.h. MR. LUNDEBERG

ZOOLOGY

S53. Comparative Vertebrate Anatomy.—3 s.h. MR. WHARTON

S92. General Embryology.—3 s.h. MR. CUNNINGHAM

S209. Heredity and Evolution.—Prerequisite: two years of Zoology. 6 s.h.
MR. JOHNSON

S222. Entomology.—Prerequisite: at least one year of Zoology. 6 s.h.
MR. GRAY

S353. Research.

(a) Embryology and Endocrinology. MR. CUNNINGHAM

(b) Vertebrate Zoology or Entomology. MR. GRAY

(c) Cytology. MR. JOHNSON

The following courses will be given at the Duke Marine Laboratory at Beaufort:

S203. Marine Ecology.—6 s.h. MR. PEARSE

S219. Special Problems. MR. BOOKHOUT, MR. PEARSE

S274. Marine Zoology, with Special Reference to Invertebrates.—6 s.h.
MR. BOOKHOUT

S353. Research. MR. BOOKHOUT, MR. PEARSE

S355. Biological Seminar. MR. BLOMQUIST, MR. BOOKHOUT, MR. PEARSE

JUNALUSKA SCHOOL OF RELIGION

[AFFILIATED WITH DUKE UNIVERSITY]

LAKE JUNALUSKA, N. C.

JULY 21-AUGUST 30, 1941

FIRST HALF, JULY 21-AUGUST 9

SECOND HALF, AUGUST 11-AUGUST 30

INSTRUCTORS

PAUL NEFF GARBER

A.B., Bridgewater College; A.M., Ph.D., University of Pennsylvania
Director and Professor of Church History

DUKE UNIVERSITY

HERMAN NELSON BEIMFOHR

A.B., Bradley College; B.D., Garrett Biblical Institute;
A.M., Northwestern University

Professor of Religious Education

DIRECTOR OF WESLEY FOUNDATIONS, SOUTHERN CALIFORNIA-ARIZONA
CONFERENCE

JOHN KEITH BENTON

A.B., Birmingham-Southern College; B.D., Yale University; Ph.D.,
University of Edinburgh

Professor of Philosophy of Religion

VANDERBILT UNIVERSITY

ELMER TALMADGE CLARK

A.B., Birmingham-Southern College; A.M., George Peabody College;
B.D., S.T.D., Temple University

Professor of Missions

ASSISTANT SECRETARY, BOARD OF MISSIONS AND CHURCH EXTENSION,
THE METHODIST CHURCH

KENNETH WILLIS CLARK

A.B., Yale University; B.D., Rochester Theological Seminary;
Ph.D., University of Chicago

Professor of New Testament

DUKE UNIVERSITY

DONALD M. MAYNARD

A.B., Ohio Wesleyan University; B.D., Garrett Biblical Institute;
Ph.D., Yale University

Professor of Religious Education

SCARRITT COLLEGE

ALBERT COOK OUTLER

A.B., Wofford College; B.D., Emory University; Ph.D., Yale University

Professor of Historical Theology

DUKE UNIVERSITY

THE JUNALUSKA SCHOOL OF RELIGION

[AFFILIATED WITH DUKE UNIVERSITY]

The Junaluska School of Religion is a joint enterprise under the direction of Duke University, the Board of Education and the Board of Missions and Church Extension of the Methodist Church. It was established in 1928 to provide an opportunity during the summer months for religious workers and students to secure at the seat of one of the church-wide assemblies courses of study which could be credited on undergraduate and graduate degrees.

During the past thirteen years students have been enrolled from the following groups: pastors; employed officers of Annual Conference Boards; officers of General Boards of the Church; professors of religious education and Bible in church-related colleges and universities; persons accredited as instructors in training schools; individuals desiring courses which would count on the Bachelor of Arts degree; graduate and theological students desiring courses to be credited on the Bachelor of Divinity degree.

The Junaluska School of Religion offers an unusual opportunity to pastors and directors of religious education who desire courses in line with the work they are doing, which will keep them abreast of the currents of thought in the religious world of today, and which will at the same time give them credit on college, university, and seminary degrees.

RELATION TO DIVINITY SCHOOL OF DUKE UNIVERSITY

Academic matters relating to the Junaluska School of Religion are in charge of the Faculty of the Divinity School of Duke University. The Junaluska School of Religion includes one summer term of the Divinity School of Duke University. Three members of the Faculty of the Divinity School serve on the instructional staff of the Junaluska School of Religion.

CREDITS

All courses meet ten times a week for eighty-minute periods. Each course satisfactorily completed will receive a credit of three semester hours. One course may be taken by each student during each term.

It will be observed that, in order to effect greater concentration, courses are offered in double periods daily for three weeks. When the first three-week unit is completed, another course closely related is carried through the second three weeks. The first three-week term is from July 21 to August 9; the second three-week term is from August 11 to August 30.

The student, however, should be cautioned at this point: Duke University does not accept for degree credit a unit of three semester hours

until the student has completed an approved related unit at some subsequent time. In other words, if a student completes only three semester hours of credit during the summer of 1941, he must at some later time complete additional related work to the amount of at least three semester hours in order to have enough credit to count toward a degree. The student, on the other hand, who completes the full period of six weeks receives unconditional credit for the courses approved and completed.

The credits secured for work done will be Duke University credits and will count on the Bachelor of Arts and Bachelor of Divinity degrees. These credits may, of course, be transferred to other colleges, universities and theological schools in the same way that such transfer of credit is usually made. The credits will also be accepted on teachers' certificates.

CALENDAR AND REGISTRATION

The fourteenth session of the Junaluska School of Religion will be held from July 21 to August 30, 1941. Recitations will be held five days in the week, all Saturdays except July 26 and August 23 being holidays.

Monday, July 21, is reserved for registration of students in the first half-term. Advanced registration may also be made through correspondence with the Director. Regular classes will meet at 8:15 Tuesday morning, July 22.

ADMISSION

All candidates for credit toward graduate and theological degrees must be graduates of colleges of recognized standing. College undergraduates who have completed the Junior year and who are ranked as incoming Seniors may also register for the courses, and their credits will count toward the degree of Bachelor of Arts. A limited number of Juniors can enroll for credit in the courses, but not more than three Juniors are permitted in any one course.

FEES AND EXPENSES

A general matriculation fee of \$5.00 is due at time of registration and a special fee of \$5.00 in each course for which the student registers. There is also a \$4.00 ground fee for three weeks or \$6.00 for six weeks which is paid to the Lake Junaluska Assembly, Inc. The only other expenses will be those in connection with room and board. There is a fee of \$5.00 for auditors who desire only to audit the course without receiving credit for it.

HOTELS AND BOARDING HOUSES

There are a large number of hotels and lodging places at Lake Junaluska. The proprietors offer special rates to Junaluska School of Religion students. The rates vary with the accommodations desired.

The Board of Education conducts a cafeteria and has dormitories in connection with the Education Building for the convenience of students

in the Junaluska School of Religion and in the Leadership Schools. Students desiring entertainment in these buildings should make reservation by writing to Board of Education, 810 Broadway, Nashville, Tennessee.

The Board of Missions and Church Extension operates the Mission Inn at Lake Junaluska. It is operated on the American Plan and can accommodate approximately two hundred persons. The Mission Inn offers all the accommodations found in modern resort hotels. It is equipped with elevator service. Because of the limited space in the Mission Inn all students planning to be guests should make early reservations. Correspondence concerning rates and reservations should be addressed to the Mission Inn, Lake Junaluska, North Carolina.

In addition to the dormitories of the Board of Education and the Mission Inn there are other hotels and lodging places at Lake Junaluska. There are also available for rent during the summer season many desirable private cottages within a few minutes' walk of the Education Building. These cottages are furnished with water and lights and are equipped for light housekeeping. A trailer camp is also available.

For detailed information as to rates and other particulars concerning the hotels, boarding houses, furnished cottages and trailer camp write Dr. W. A. Lambeth, President, Lake Junaluska Assembly, Inc., Lake Junaluska. The director of the Junaluska School of Religion will also be glad to assist all students in the selection of living accommodations while at Lake Junaluska.

COURSES OF INSTRUCTION

(*Note.* In the description of courses the following abbreviations occur: *First* means that the course will be offered during the period, July 21-August 9; *Second* means that the course will be offered during the period, August 11-August 30. All classes meet for two eighty-minute periods, five days a week. The first period begins at 8:15; the second period concludes at 11:05.)

S319. The Life and Letters of Paul.—A study of the most influential leader in the early formative days of Christianity. The aim is to examine his personal and religious experience, the problems he encountered, the solution he offered, and the forms of belief and practice he advocated. *First.*

MR. K. W. CLARK

S320. Apocalyptic Literature.—Discussion of early Christian apocalyptic writings, with special attention to the Apocalypse of John. The origin, development and significance of the apocalyptic idea in the Christian faith. *Second.*

MR. K. W. CLARK

S323. The Christian Conception of the Church.—An historical survey of the various ways in which the idea of the church has been interpreted in the Christian tradition, followed by a critical analysis of the theological implications of such contemporary problems as church and state, church and culture and the ecumenical movement. *First.*

MR. OUTLER

S328. Current Theology.—A critical survey of the thought and trends reflected in the writings of the most significant contemporary theologians. Special attention will be given to the influential movements of the reconstruction and reaction in modern Christianity. *Second.*

MR. OUTLER

S335. The Church in America.—The church as a factor in the social, economic, and political life of America. *First.*

MR. GARBER

S338. Methodism.—A study of the beginnings and growth of the Methodist societies in England, of early Methodism in America, and of the development of the several branches of the Methodist Church in America. *Second.*

MR. GARBER

S361. The Educational Work of the Church.—A consideration of the total task of the church from an educational viewpoint. Attention will be given to such fundamental aspects as principles and objectives of the educative process, curriculum, supervision, worship and leadership education and guidance. *Second.*

MR. MAYNARD

S362. Leadership Training for Effective Student Christian Work.—This course is designed to aid leaders of students to understand the student and the needs of students and to offer guidance in building creatively a religious program and an organization to meet these needs. *First and second.*

MR. H. N. BEIMFOHR

S381. Missions in the Modern World.—A survey of present religious conditions and the status of missionary work in the important mission fields; the great missionary agencies, their foundation and growth; social progress in home and foreign fields. *First.*

MR. E. T. CLARK

S386. Missionary Promotion.—The promotion of the missionary enterprise at the home base and abroad. *Second.* MR. E. T. CLARK

S391. Philosophy of Religion.—A study of the nature of religion and of some of its basic postulates and philosophical implications. *First.* MR. BENTON

Address applications or requests for information to

PAUL N. GARBER

Director of Junaluska School of Religion

DUKE UNIVERSITY

Durham, N. C.

DUKE UNIVERSITY

DEGREES AND HONORS CONFERRED (1941)

ROLL OF STUDENTS (1940-1941)

TRINITY COLLEGE

THE WOMAN'S COLLEGE

THE COLLEGE OF ENGINEERING

THE GRADUATE SCHOOL OF ARTS AND SCIENCES

THE DIVINITY SCHOOL

THE SCHOOL OF LAW

THE SCHOOL OF MEDICINE

THE SCHOOL OF NURSING

THE SCHOOL OF FORESTRY

DEGREES AND HONORS CONFERRED (1941)

A.B. DEGREE

Abernethy, Mary Lura	Chickering, William Alan
Adams, Mary Jane	Clark, Carleton Climer
Ade, William Henry, Jr.	Clay, James Raymond, Jr.
Alexander, Dorothy Ruth	Clees, James Cameron
Alexander, Katherine Latham	Clinkscales, Mary Celeste
Alexander, Stewart Murray, Jr.	Coburn, Helen Kerr
Ange, Hubert Milton	Cole, Miriam Louise
Angier, Harriet Duke	Collins, John Pope
Atwell, Robert James	Collins, Melville Nathaniel
Aylward, Dorothy Adelaide	Conine, Ruth Ballard
Babenzien, Robert Max	Connar, Richard Grigsby
Baer, Marion Eleanor	Connors, Carol Ann
Baetz, Wilfred George	Coplan, Edwin
Bailey, Flora Inez	Cordes, Shirley Louise
Bailey, Jean E.	Cottingham, Mary Emily
Bailey, Josephine	Courtney, Margaret Duley
Baker, Babbette Marie	Cozart, Anne Fleming
Baker, James Fairfowl	Craig, Nancy Jane
Ballard, Margaret E.	Crane, Robert Irwin
Barnes, Margaret Elizabeth Montague	Crawford, Frances Lorraine
Barnicoat, John Ellard	Crawford, Mary Elizabeth
Bastien, Ralph Henry, Jr.	Crump, Charlotte A.
Beatty, William Ernest	Cunningham, Henry Vernon
Becker, Dora Elizabeth	Curry, Elise D.
Beebe, James, Jr.	Dacey, William John
Bell, Mary Clarke	Dailey, Frank Walter
Beller, Sidney	Dalton, Maye Elizabeth
Bennett, Cynthia Caroline	Davis, Marjorie Elizabeth
Bigham, George Faunce	Davis, Penrose Moore, Jr.
Binder, Kathryn Louise	Davis, William Hersey, Jr.
Blackburn, Jane	Dawe, Mary Louise
Boorman, Bruce Edward Warwick	DeLaney, Ernest Stanhope, Jr.
Brenna, Joseph Dondiego	Denny, Dan
Brice, Margaret Rilza	de Quevedo, Rafael Garcia
Brown, Donald Ross	Diller, Fred Eugene
Brown, Edward Martin	Dismer, Helen Cordelia
Brown, Oscar Oswell, Jr.	Dodrill, Maybelle Geraldine
Brown, Richard Rintoul	Donehoo, Lois Jean
Brownell, Robert William	Donnell, Edward Sebek
Brust, Albert Adam, Jr.	Dotter, Charles Theodore, III
Buckle, Martha Louise	Dozier, John Marion
Bunce, Edgar Fenn, Jr.	Driscoll, Helen Barbara
Campbell, Virginia Alice Cumberland	Ducker, Andrew Leslie, Jr.
Caneschi, Mayo Lewis Amelio	Duckett, Howard Casey
Cann, Evelyn Joyce	Duke, Mary Rebecca
Cann, Robert Nelson	Eastwood, Frederick Thomas
Carson, Howard Francis	Eldridge, Wade Hampton
Carswell, George Harrold	Elliott, Frank Samuel
Chaffin, James Claude	Elliott, Joseph Alexander, III
Champion, Battle Wilson	Entrekin, Virginia B.
Chase, Sarah	Epes, Marjorie Louise

Erickson, Charles Winthrop
 Everett, Lawrence Shaw, Jr.
 Fagan, Barbara Campbell
 Farmer, Helen Jean
 Ferguson, Pauline Anne
 Fike, Claude Edwin, Jr.
 Fike, Edward Lake
 Files, Richard Webster
 Fleet, Lillian
 Flowers, Flewellyn
 Ford, James Arthur, Jr.
 Forlines, Martha Lane
 Foster, Lawrence Hubert
 Fowler, Preston Leroy, Jr.
 Fraley, Harry Howard
 Freiler, Frances Eileen
 French, Raymond John
 Fuller, Ardith Dodd
 Fulp, William Marshall
 Fulton, Blair Fishburn
 Gackenbach, Jack Daniel
 Gantt, Kate Claywell
 Gardiner, Fredrica Elizabeth
 Gary, Ethel Almira
 Gates, Warren James
 Geyer, Walter Pooley, Jr.
 Gobble, Fleetus Lee, Jr.
 Goodwin, Noma Lee
 Gottesman, Dan
 Gottlieb, Helen Myra
 Grace, Ann
 Gray, Priscilla
 Gray, William Frederick
 Greathouse, Frank Lee, Jr.
 Green, Betty
 Greene, John Howard, Jr.
 Gregory, Anna Elizabeth
 Griffin, Kathleen Holder
 Griffin, William Ray, Jr.
 Griffiths, Mary Elizabeth
 Gross, Jean Talbot
 Grunewald, Christine Dora
 Gundlach, Eleonora Helena
 Guyn, Thomas Jack
 Hadsell, Jess Lee
 Hale, Mary Elizabeth
 Hall, Alice
 Hanby, Mildred Scott
 Hancock, Robert Whitney
 Hardy, Jack Louis
 Harris, Kate Lee
 Harward, Lillian Mangum
 Hawkins, Louis Golson
 Haynes, Hazel Sterritt
 Heath, Bayard Emerson, Jr.
 Henderson, Charles Jenkins
 Hersey, Ann Randolph
 Hewitt, Tribby Gray
 Hibbs, Jessie Persinger

Hill, Lillian Lee
 Holder, Elvin Elizabeth
 Hollmeyer, Joseph Gerard
 Honaker, William Clayton
 Horton, William Sidney
 Houston, Jane Hunt
 Huckle, Elizabeth Gillis
 Hughes, Caroline Irene
 Hull, Edyth Maud
 Huntoon, Hugh Sutton
 Hutson, Albert Rawlings, Jr.
 Jacobi, Wilma Jane
 Jamieson, David Mills
 Jessup, Julian Clyde
 Johnston, Bertha Emmalee
 Jones, Barney Lee, Jr.
 Jones, Paul Winthrop, Jr.
 Katzenmeyer, Jack William
 Keagy, Charles William
 Keeler, Richard Ashmead
 Keller, William Lordan
 Kelley, Walter McCoy
 Kennedy, Virginia Elizabeth
 Kenner, Frances Ann
 Killian, Frank Edward
 King, Lucile Curtis
 Kirkman, Percy Von, Jr.
 Koenig, Helmut Paul
 Krummel, Marjorie Anne
 Kubek, Robert Bruce
 Ladd, Robert Dwinell
 Lambdin, Jean Carback
 LaMont, Marjorie
 Lang, Cecil Yelverton
 Latham, James Farr
 Latimer, Collie Thomas, Jr.
 Lawrence, Stephen Reid
 Lee, Lois
 Leitheiser, Karl Arthur
 Leland, Dexter Farnham
 Lentz, Jacqueline
 Lester, Robert MacDonald, Jr.
 Lewis, Harold Boyd, Jr.
 Lewis, Richard Edward
 Leys, Robert Sinclair
 Light, Frank Gristock
 Lineberger, Robert Henry
 Link, Henry Etta
 Linton, Jeanne Phyllis
 Little, Brooks Bivens
 Little, Robert Dickson
 Long, Jesse Dobson, Jr.
 Lynch, Katherine Harless
 Lyon, Estelle Felts
 McCanless, Sarah Napoleon
 McCloud, Robert Olmsted
 McCormick, Robert John, Jr.
 McDaniel, Arthur, Jr.
 McDermott, Raymond Lipscomb

- MacGahan, John Alexander
Mack, Elizabeth A.
MacLeod, Gordon Campbell
MacNutt, Jean Mary
Maden, Ruby Kathryn
Manry, Lawrence Edward
Mapes, Elizabeth Blake
Mayhew, Nellie Adelaide
Mees, Thomas Leo
Megerle, Jean Margie
Mellon, Robert
Metz, Jean Lois
Miles, Robert Lewis
Mitchell, Cornelia
Moise, Francis Marion, Jr.
Montfort, Robert John
Moore, Robert Field
Moore, Tom Murphy
Morris, Arthur Allen, Jr.
Morris, Joseph Snowden
Mott, Glory Sims
Moyer, Robert Holden
Mulligan, Aloysius Alphonsus, Jr.
Murdick, Robert Gordon
Murray, Elizabeth Lee
Nabers, Dora Frances
Nakayama, Yukio
Nelson, Robert Lewis
Newton, Carl Davidson, Jr.
Nickel, Henry William, Jr.
Norton, George Worthington, Jr.
Olive, John Worth
Omar, Nancy Jean
Osborne, Elizabeth Ann
Owen, Emily Hillyer
Owens, Jean Lusyl
Padmore, Phyllis Joy
Parke, Donald Wright
Patterson, Charles Junior
Payton, John Edwin
Peabody, Margaret Braynard
Pentz, Helen Eloise
Perkins, William Hale
Peterson, Douglas Fayette, Jr.
Petty, Hilda Muriel
Phillips, Martha Jane
Phillips, Mary Joanna
Pierce, Martha Elizabeth
Pike, Robert Edgar
Porterfield, Bettilu
Prillaman, David Crockett
Prox, Dorothy Cecile
Ramsay, Mary Lee
Rankin, Douglas Rohrer
Rapoport, Herman Leonard
Rateau, Carolyn Ann
Reeves, Anne Heron
Rencken, Donald Robert
Rhyne, Robert Smith
Rickerby, Arthur Burroughs
Rodenbough, Kathryn Louise
Rogers, Rae Elizabeth
Rorabaugh, Helen Mary
Rowan, John William
Rubin, Doris Anne
Ryon, David Osmond
Sadler, Walter Thaddeus, Jr.
Sanborn, Charles Francis
Sattenspiel, Edward
Satterwhite, Randall Griffin, Jr.
Saville, Dorothy G.
Scarlett, Dora Page
Schrup, Ellen
Schwartz, Robert Leickel
Seeley, Carolyn Ada
Sheals, Ralph Augustus, Jr.
Sherman, Mary Irwin
Sherrill, Ellen Lewis
Shields, Janet Louise
Shields, Samuel Moyer
Shlimbaum, Charles William
Shryock, Betty Hall
Silva, John Matheson
Silverthorne, Mervin Clark
Simpson, Margaret Lynch
Sink, Dorothy Estelle
Smart, Tom Davis
Smith, Elizabeth Marie
Smith, Harold Kenneth, Jr.
Smith, Robert Percy
Smith, Shirley Louise
Snipes, Elizabeth Blanks
Snyder, Eugenia Josephine
Sopp, Barbara Perine
Southgate, Eleanor Fuller
Southwick, Bertha Eunice
Sparks, Bayne Albert
Spruill, Margaret Vaughan
Stackhouse, Donald Scott
Stanley, Horace Goodman
Starnes, Margaret Evelyn
Stata, Charles Melvin
Stephens, Richard Lockwood
Stephenson, Arthur Louis G., III
Stiles, Caroline Brown
Stubbs, Sara Lily
Swaren, Dixie Anna-Mary
Talcott, Jess Wingert
Taylor, Amelia C.
Taylor, Charles House
Taylor, Joseph W., Jr.
Telep, John Nicholas, Jr.
Thomas, Frances Cherry
Thomas, James Claiborne
Townsend, Bertram Fairley
Tyler, John Anderson, Jr.
Umstead, Carolyn Manning
Ustick, Jean Waldo

Valasek, Cyril John	Welton, William DeForest, Jr.
Van Hagan, Louise Humphrey	Wentz, Henry Stauffer
Vennema, John, Jr.	Weston, Sylvia
von Gal, Herbert Vreeland	Wetmore, Robert Jackson
Wackerman, Betty	Weyman, Jean Marie
Wade, William Earl	Whitesides, William Carl, Jr.
Wade, William Wallace, Jr.	Whyte, Mary Robertson
Wagner, Carol June	Widmer, Frances Elizabeth
Wagner, Jane Christine	Wilson, Mary Annie
Waldron, Robert Edward	Winkin, John Worde
Walker, Judith Clement	Winterson, Alexander Frederick
Wall, Martha Evelyn	Wire, Margaret Jane
Wallin, Geraldine Tinsley	Wischmeyer, Margaret
Walter, Louise Chillson	Wolcott, Dorothy Davies
Walters, Helen Julia	Workman, Henry Dodge
Ward, Peter	Worrill, Edmund Hood
Ware, Betty Lee	Wotrubez, Robert
Warner, Eleanor Taylor	Wright, Marjorie Helen
Wascher, Howard Charles	Yarborough, John Archibald
Wedow, Sheridan Holly	Young, Martha Anne
Weidmann, Kathryn	Yount, Marvin Edward, Jr.
Weit, Leon Forrest	

B.S. DEGREE

Arrington, Charles Hammond, Jr.	Morrison, Beatrice Mary
Baldwin, Alan Thorrestrup	Myers, Hugh Kennedy
Bew, James William	Ryan, Denis
Brown, Henry Clay, III	Rynd, Laurence Noble
Carr, Herbert	Seevers, Delmar Oswell
French, John Martin	Skinner, Charles Boyd
Gross, Paul Magnus, Jr.	Snow, James Wilbur
Hackney, Edward June	Stockdale, Ruth Mary
Kueffner, Rose Goldsmith	Tritle, Doris Hotchkiss
Lamason, Robert Hopkins	Wagner, Margaret Elizabeth
McCann, Adriana	Widgery, Rolande Carpenter

In Civil Engineering

Alpert, Arthur Malcolm	Molina, Alexander William
Drew, William Donald	Perinovich, Robert Emil
King, Carl Fish	Werneke, Francis Henry

In Electrical Engineering

Batten, John Columbus, Jr.	Price, Robert Clarke
Highsmith, James Lindsay	Russell, Donald Clark
Holley, Charles Henry	Sisk, Earl Hoke, Jr.
Myers, Dale Clifford	Tuten, Bruce Ladson
Olson, Vernon Arthur	Vickers, Ronald
Parker, Charles Robin	Womble, Eric Eugene

In Mechanical Engineering

Andrews, Ralph John, Jr.	Jones, James Latimer
Bromage, John Stuart	Kelcec, George
Clous, David Arthur	Lauppé, Carl, Jr.
Creamer, Robert Hemphill	Lucas, Cecil Swain
Eddy, James Henry, Jr.	Pattinson, Hulme Holmes
Hanson, Charles Walter	Robinson, Donald Lane
Hastings, George Julian	Schoonover, Carleton Meredith, Jr.
Hunter, Charles William, Jr.	Smith, Walter Gold
Hunter, William Allen	Wilbur, Richard Snow

In Nursing

Babb, Frances Elizabeth
 Bigler, Ouida Louise
 Brooke, Mary Inez
 Bryant, Edith Virginia
 Bunch, Mary Elizabeth
 Collins, Jo
 Currence, Martha
 Darrough, Sara Carver

Hartley, Dare
 Horton, Theresa Elizabeth
 Ledford, Creola Rubye
 Martin, Edrie A.
 Pegram, Annie Lee
 Reinhardt, Lelia Cynthia
 Smith, Hilda Iris
 Whitener, Marion

In Medicine

Kiser, Glenn A.

A.M. DEGREE

Asan, Haydar Mustafa
 Bickell, Ernest Adelbert, Jr.
 Brach, Earl Tilton
 Bronson, Arthur Harold
 Brown, Norman Ralph
 Burrows, Edward Flud
 Campbell, Philip Storer
 Civin, Paul
 Cone, Bonnie Ethel
 Craghead, Frances Ann
 Doty, Thomas Smith
 Downton, James Bertram
 Erwin, Aurel Maner
 Faires, Robert Edgerton
 Gervin, Spencer Rex
 Goodbread, Louise
 Goodman, Warren Herbert
 Hennen, Mary Bernadette
 Hinshaw, Clifford Reginald, Jr.
 Hoopes, Luther Hartman
 Hoyle, Daniel Scarborough
 Ivey, Mary Frances
 Johnson, Mary Louise
 Jones, Edwin Harvie
 Justis, John Columbus
 Kennedy, Vincent Maurice
 Kirk, Russell Amos

Kozlowski, Theodore Thomas
 Leary, Thomas Francis
 Linnemann, Calvin Cummins
 Linschitz, Henry
 Livingston, Robert Blair
 Martin, James Marion
 May, Stella Josephine
 Melenek, Ina Ruth
 Ogden, John Patton
 Patterson, James Reid
 Petty, Paul Vernon
 Pierpoint, Frank Ray
 Powell, Woodrow Wilson
 Schaedler, Louis Calvern
 Seawell, Lee Anne
 Shannon, Edgar Finley, Jr.
 Skinner, Alfred Lister
 Smith, Robert Ross
 Tidler, Hazel
 Townsend, Freda Liverant
 Townsend, Roswell George
 Turner, Philip Allison
 Van Voorhis, Robert Henry
 Weith, Archie James, Jr.
 Werbel, Burton
 Wetmore, Thomas Hall, Jr.
 Wilson, Charles Christopher

M.ED. DEGREE

Bell, Minnie Blanche
 Bruce, William Thornton
 Davidson, Mary Frances
 Early, William Ashby
 Eidson, William Patton
 Hayes, William Ernest
 Jarrell, John Percha
 Jenkins, Joseph Daniel
 Kelley, William Arlington, Jr.
 Knight, Theron Turner

Myers, Emelyn Morton
 Patterson, Charles William
 Roman, Emerson Wendell
 Smith, Dorothy Elizabeth
 Steele, Andrew Jackson
 Turner, Robert Love
 Wallin, Virginia Stanton
 Whiting, Sara Maysel
 Wilfong, Mildred Elizabeth
 Young, William Alson

MASTER OF FORESTRY DEGREE

Applequist, Martin Benjamin
 Bew, James William

Brabec, Joe M., Jr.
 Davis, Richard Edwards

Dunn, Willard Bruce
 Ernst, William, Jr.
 Fillas, Theodore James
 Gaiser, Richard Nicholson
 Gira, Paul Ambrose
 Guerrant, William Hepbourne

Hagenstein, William David
 Heller, Robert Chester
 McClintick, Keith
 Morgan, Kenneth James
 Petersen, William Bentz

B.D. DEGREE

Andes, William Jacob
 Arthur, Charles Ralph
 Autry, John Duncan Asbury
 Biggers, Sherrill Bost
 Blackburn, Linwood Earl
 Boddie, Wyatt David
 Booth, Luther Lambuth
 Brabham, Angus McKay, Jr.
 Bridewell, Joseph Albert
 Brock, Edwin Lawrence
 Cooke, Jack
 Crumpton, Sidney Randolph
 Dawson, Dana, Jr.
 Duncan, Floyd Alexander
 Evans, Joseph Claude

Everett, Thomas D., Jr.
 Garrison, Robert Edmund
 Gray, Alan DeLeon
 Heffner, William Frank
 Hendrix, Thomas Christian
 Inge, John Wesley
 Miller, Irving Roscoe
 Nesbitt, Marion Wilson
 O'Neal, Ernest Elijah
 Prentis, Edward Walker
 Rustin, Lee D.
 Stamey, Robert Henry
 Teer, Harold Benton
 Thompson, Walter Rowe
 Waggoner, Brooks Milton

LL.B. DEGREE

Arst, Norton Jerome
 Barkman, Francis Elwood
 Bragg, Harold Hoffman
 Carr, Aute Lee
 Coopridier, Virgil W.
 Dixon, Daniel Robert
 Fischer, Charles Henry, Jr.
 Frampton, George Thomas
 Gentithes, George Harry
 Gordon, Eugene Andrew
 Harvey, Thomas William, Jr.
 Horack, Benjamin Shambaugh
 Kerr, Ben Ransom
 Leavenworth, Robert Wing
 Lenox, Walter Stanley
 Lipscomb, Woodrow Pershing
 McCormack, Edgar Joseph
 Mack, Edwin Van Tuyl

Malone, William Frank
 Marshall, Archibald George
 Mattocks, James Richardson
 Mims, Frank Meyer
 Moore, Hervey Studdiford, Jr.
 Moran, John William
 Moscoso, Guillermo, Jr.
 Rebman, Andrew Frederick, Jr.
 Schultz, Herman Louis, Jr.
 Sink, Henry Harrison
 Smith, LaRue, Jr.
 Smith, Numa Lamar, Jr.
 Stack, Warren Carlisle
 Watson, William Harry, Jr.
 Wherrett, Norman Lewis
 Williams, Berry Collins
 Williams, Bill Justin

LL.M. DEGREE

McKenna, Robert Allen

Reese, Seward Phillips

S.J.D. DEGREE

Lee, Robert E.

M.D. DEGREE

Adams, Ellis Wentworth
 Ames, Richard Haight
 Babcock, Kenward Oliver
 Barnes, Gareth Bonsack
 Baum, Ralph Etheridge
 Bednarz, Steven I.
 Benbow, Edward Perry, Jr.
 Beyer, Emil Charles

Brown, Edwin Wells
 Brown, James Walter, Jr.
 Brown, Kenneth Brien
 Brumbach, William Keefer
 Burgess, Woodrow William
 Clay, Charles Stafford
 David, Joseph K., Jr.
 Donaldson, J. Harold, Jr.

Elliott, Frederick Duncan
 Exum, William Allen
 Forth, Paul Taber
 Gilliam, James Sylvester, Jr.
 Ginn, Stephen Arnold
 Grant, Henry Boone
 Guerin, Briant Bowman
 Haywood, Hubert B., Jr.
 Hirst, Donald Vincent
 Hock, Charles William
 Horsley, William Nolen
 Irving, Richard C.
 Karansky, Stanley
 Karmany, William Hummel
 Kintzing, William Baugher
 Kiser, Glenn A.
 McFadyen, Oscar Lee, Jr.
 Mann, Frank R., Jr.
 Martin, Archibald Graham
 McIlwaine, III
 Messer, Addison Lee
 Meyers, Muriel C.
 Mims, Leon Heberden, Jr.
 Mulford, Edwin Hastings, Jr.
 Muse, J. Phillip

Neill, Robert Glevé
 Perryman, Olin Charles, Jr.
 Pfeffer, Arnold Zachary
 Podger, Kenneth Arther
 Quillian, Millard Pinson
 Rindge, Mila Elisabeth
 Savage, Eric Dutton
 Scott, John Green, Jr.
 Sellers, William Harrison
 Smart, Gardner Ford
 Snedegar, Paul D.
 Stack, David R., Jr.
 Stauffer, Charles Clarence, Jr.
 Stenhouse, Gordon Conover
 Taliaferro, Richard McCulloch
 Thompson, William Gilmore
 Thornhill, George Tudor, Jr.
 Thornhill, Raymond P.
 Timberlake, Lloyd Flinton
 Trout, Philip Cocke
 Weekes, Don James
 Whitaker, Richard Bidgood, Jr.
 Widmark, Walter LeRoy
 Willson, Prentiss, Jr.
 Winstead, George Ashby

DIPLOMA IN NURSING

Babb, Frances Elizabeth
 Bigler, Ouida Louise
 Brooke, Mary Inez
 Bryant, Edith Virginia
 Bunch, Mary Elizabeth
 Collins, Hallie Jo
 Darrough, Sara Carver
 Deaton, Dorothy Galt
 Dugger, Carlotta Lee
 Dulin, Margaret Flanagan
 Hartley, Dare
 Horton, Theresa Elizabeth
 Kale, Ella Mae

Ledford, Creola Rubye
 McCranie, Aline Ferrell
 Mallory, Margaret Evelyn
 Martin, Edrie A.
 Matheson, Daisy Deane
 Milton, Margaret
 O'Neal, Charlotte Christine
 Reinhardt, Lelia Cynthia
 Sowers, Lucy Jo
 Wade, Sarah
 Warren, Susan Elizabeth
 Whitener, Marion
 Young, Helen Rose

PH.D. DEGREE

- Barnwell, Robert Woodward, Jr., A.B., A.M., University of South Carolina.
 Dissertation: *Loyalism in South Carolina, 1765-1785*.
- Bennett, Georgia Belle, A.B., College of William and Mary; A.M., Duke University.
 Dissertation: *Structural Factors Affecting the Substitute Value of Activities in Normal and Schizophrenic Persons*.
- Bolen, Claude Waldron, A.B., Emory and Henry College; A.M., Duke University.
 Dissertation: *Kiderlen-Wächter and German Foreign Policy*.
- Boomhour, Elizabeth Gregory, A.B., Meredith College; A.M., Cornell University.
 Dissertation: *A Taxonomic Study of the Genus Pycnanthemum*.
- Bridgers, John Elbert, Jr., A.B., Duke University; A.M., Harvard University.
 Dissertation: *Studies in the Aeneas Story in English Literature*.

- Carper, Doris Viola, B.S., Farmville State Teachers College; A.M., Duke University.
Dissertation: *A Study of Some Aspects of Children's Number Knowledge Prior to Instruction.*
- Cuyler, W. Kenneth, A.B., University of Texas; A.M., Western Reserve University.
Dissertation: *Studies of the Urinary Excretion of 17-Ketosteroids in Physiologic and Pathologic States of Woman.*
- Dale, William Pratt, Jr., A.B., A.M., Duke University.
Dissertation: *The Cultural Revolution in Peru, 1750-1820.*
- Derr, Paul Franklin, B.S., A.M., Duke University.
Dissertation: *The Formulas and Stabilities of Some Metal-Ammonia Complex Ions.*
- Doty, Cornelia Allen, A.B., Stanford University; A.M., Mills College.
Dissertation: *Prediction of First-Grade Reading Success under Three Experimental Conditions.*
- Doty, Roy Anderson, Jr., A.B., A.M., Duke University.
Dissertation: *A Study of Children's Procedures in the Solution of Verbal Problems.*
- Dyas, Harold Eugene, B.S., University of Wisconsin.
Dissertation: *Fast Reactions in Solution.*
- Eidson, John Olin, A.B., Wofford College; A.M., Vanderbilt University.
Dissertation: *Tennyson in America: His Reputation and Influence from 1827 to 1858.*
- Flemister, Launcelot Johnson, Jr., A.B., A.M., Duke University.
Dissertation: *Distribution of Available Water in the Animal Body.*
- Flory, William Evans Sherlock, A.B., College of Wooster; A.M., Duke University.
Dissertation: *The Development of International Law Relating to Prisoners of War through 1929.*
- Foster, Hazel Elizabeth, A.B., Hood College; A.M., Duke University.
Dissertation: *The Development of Public International Law Relating to Fisheries Interests of Selected Major States, 1910-1938.*
- Gould, Robert Kent, A.B., A.M., Duke University.
Dissertation: *The Identification of Some Complex Ions in Solution by Means of Spectrophotometric Measurements.*
- Hargreaves, Herbert Walter, A.B., University of Nevada; A.M., Clark University.
Dissertation: *Federal Fiscal Policy and the Guaranteed Debt, 1932-1940.*
- Harrison, David Moody, B.S., Ursinus College; A.M., Duke University.
Dissertation: *A Survey of English Population Theory, 1800-1860.*
- Havens, Ralph Murray, A.B., Baker University; M.B.A., University of Kansas.
Dissertation: *Laissez Faire in the United States during Nineteenth-Century Depressions.*
- Hudson, Boyd Ellyson, Jr., A.B., Duke University.
Dissertation: *Certain Aspects of the Claisen Condensation and the Reactions of the Sodium Enolates of Esters.*
- Humphreys, Mary Emily, A.B., Western Maryland College; A.M., Duke University.
Dissertation: *Responses of Certain Lawn Grasses to Controlled Watering and Treatments of Soil.*
- Johnston, George Washington, B.S., M.S., Mississippi State College.
Dissertation: *Cytological Studies of Pollen Tube Development in Certain Angiosperms.*

- Lee, Herbert Leonard, A.B., A.M., University of Tennessee.
Dissertation: *Power Sums of Polynomials in a Galois Field.*
- Lever, Oscar William, A.B., Wofford College; A.M., University of South Carolina.
Dissertation: *The Idea of the Kingdom of God as Reflected in the American Social Gospel Movement, 1865-1917.*
- McCormick, Edward Theodore, B.S., University of Arizona; M.S., University of California.
Dissertation: *An Analysis of the Securities Act of 1933.*
- McDermott, John Joseph, B.S., A.M., Duke University.
Dissertation: *A Physiological Study of Afterripening in Acorns.*
- McEwen, Noble Ralph, A.B., Birmingham-Southern College; A.M., Duke University.
Dissertation: *The Effect of Selected Cues in Children's Solutions of Verbal Problems in Arithmetic.*
- Mounts, Charles Eugene, A.B., A.M., University of Florida.
Dissertation: *The Influence of Spenser on Wordsworth and Coleridge.*
- O'Leary, James John, A.B., A.M., Wesleyan University.
Dissertation: *Federal Deposit Insurance.*
- Overdyke, William Darrell, A.B., Centenary College; A.M., Louisiana State University.
Dissertation: *The American Party in the South.*
- Park, Robert DeForest, A.B., Oberlin College.
Dissertation: *Evidence Against the Existence of an Excited State of He₂.*
- Ramsey, Helen Joyce, B.S., M.S., Purdue University.
Dissertation: *Physiological Properties of Ophidian and Crocodilian Blood*
- Rein, William Christopher, A.B., Western Maryland College; M.Ed., Duke University.
Dissertation: *The Effect upon Maximum r of Differences between Distribution Shapes.*
- Russell, Charles Daniel, Jr., B.S., Niagara University; M.S., California Institute of Technology.
Dissertation: *The Effect of Complex Ion Formation on the Magnetic Moments and Colors of Certain Iron-Group Ions.*
- Seward, Donald Monfort, A.B., John B. Stetson University; A.M., University of North Carolina.
Dissertation: *Harmonic Continuation in Space.*
- Stuart, Charles Edward, A.B., Duke University.
Dissertation: *An Analysis to Determine a Test Predicative of Extra-Chance Scoring in Card-Calling Tests.*
- Vermillion, Gertrude, A.B., Greenville Woman's College; B.S., George Peabody College for Teachers; A.M., Columbia University.
Dissertation: *The Isomerization and the Elimination Reaction of Certain Aldoxime Derivatives.*
- Wade, Luther Irwin, Jr., A.B., Duke University.
Dissertation: *Certain Quantities Transcendental over the Field $GF(p^n, x)$.*
- Waite, Alexander, A.B., University of South Carolina; M.Ed., Duke University.
Dissertation: *Effects of Varied Instructions on the Learning of a Certain Motor Skill.*
- Williams, Melvin John, A.B., B.D., Duke University.
Dissertation: *A Survey of Roman Catholic Sociological Theory in the United States since 1900.*

Williams, Myra Allene, A.B., Winthrop College; A.M., University of South Carolina.

Dissertation: *Mitochondria in the Intestinal Epithelial Cells of Starved and Fed Salamanders.*

Wollman, Seymour Horace, B.S., M.S., New York University.

Dissertation: *The Near Ultraviolet Absorption of Some Halogenated Benzenes.*

Woodruff, Joseph Leroy, A.B., Tarkio College; A.M., Duke University.

Dissertation: *The Effects of Certain Factors on Visual Form Discrimination at Near-Liminal Levels.*

Yarbrough, Mary Elizabeth, A.B., Meredith College; M.S., North Carolina State College.

Dissertation: *A Study of Dark Adaptation as Related to the Carotene and Vitamin A Content of Human Blood.*

Zirkle, George Anderson, A.B., Tusculum College; A.M., Duke University.

Dissertation: *An Experimental Study of Success and Failure in Serial Learning.*

HONORARY DEGREES

Doctor of Laws

Josiah William Bailey

Clyde Olin Fisher

John Rood Cunningham

William Ernest Hocking

Robert MacDonald Lester

Doctor of Divinity

William Arnold Lambeth

Harry Cleveland Smith

HONORS IN GRADUATING CLASSES

Summa Cum Laude

Hoover, Carol

Magna Cum Laude

Campbell, Virginia Alice C.

Perkins, William Hale

French, John Martin

Price, Robert Clarke

Gregory, Anna Elizabeth

Smith, Elizabeth Marie

Gross, Jean

Smith, Shirley Louise

Hull, Edyth

Taylor, Joe W.

Jones, Barney Lee, Jr.

Wagner, Carol

Murdick, Robert Gordon

Wischmeyer, Margaret

HONORS IN DEPARTMENTS AND SCHOOLS

Chemistry—Charles Hammond Arrington, Jr., John Martin French, Paul Magnus Gross, Jr., Ruth Mary Stockdale

Economics—Francis Marion Moise, Jr., Charles Francis Sanborn

English—Elise Duncan Curry, Jean Lambdin, Cecil Yelverton Lang, Bettilu Porterfield, Dixie Anna-Mary Swaren

School of Law—Harold Hoffman Bragg, George Thomas Frampton, Benjamin Shambaugh Horack, Numa Lamar Smith, Jr.

School of Medicine: Election to *Alpha Omega Alpha*, Honorary Fraternity—Richard Haight Ames, Charles Stafford Clay, Stanley Karansky, Frank R. Mann, Jr., Muriel C. Meyers, Lloyd Flintom Timberlake

School of Nursing—Frances Elizabeth Babb, Mary Inez Brooke, Jo Collins, Margaret Flanagan Dulin, Dare Hartley, Creola Rubye Ledford, Marion Whitener

JUNIOR HONORS

Barringer, Paul Jehu, Jr.	McCreedy, Doris
Bender, Joan	Myers, Richard Tennyson
Benson, Walter Russell	Powell, Eleanor
Blanchard, Lawrence Eley, Jr.	Reade, Patricia
Brandon, Daniel Morris	Schureman, Alice
Cassels, Louie Welborn	Shaw, Beth
Deal, Carl Hosea, Jr.	Stedman, William David
Everett, Robert Rivers	Tinsley, Margaret
Gift, Janet	Towe, Sara
Holton, Samuel Melanchthon	Turner, Laura
Jones, Betty Ruth	Waters, Sara Jane
Kenion, Alonzo Williams	Wells, Richard Bulmer, Jr.
Lawrence, Lelia	Wolff, Robert Alfred
McMahon, John Alexander	

SOPHOMORE HONORS

Branscomb, Bennett Harvie, Jr.	Price, Eva Louise
Davis, Ann McCarroll	Stovall, John Reed, Jr.
Frehse, Beth	Taylor, Elizabeth McCaw
Gulledge, Sidney Loy, Jr.	Treleaven, Harry William
Hale, John	Turner, Mary
Harawitz, Benedict Richard	Walker, Howard George, Jr.
Hickman, Marcus Tobias	Walter, James Elias
Hogg, William Richey	Watkins, William Thurman, Jr.
Johnson, Elizabeth Ann	Webster, George Hardy
Kaplan, Seymour Robert	Webster, Mary Stuart
Moylan, John Dudley	Young, Mary Elizabeth
Nasher, Raymond Donald	Young, Robert Douglas
Newport, Albert Byron	

FRESHMAN HONORS

Allen, Lyle McDowell, Jr.	Gerber, Gordon Wayne
Brogan, Edwin Bernard	Kaufman, Cathryn
Campbell, Frank Highsmith	Levy, William Bernard
Carlisle, Benjamin Howard, Jr.	Lundeberg, Philip Karl Boraas
Carr, John Weber, III	Nauman, Robert Vincent
Clark, Stephen Chester, Jr.	Rae, Matthew Sanderson
Cox, Bessie	Rodgers, Elizabeth
Dickson, Shirley	Schlaseman, Guy Walter
Felgar, Thomas Oglesby	Semple, Margaret
Felton, Joseph Patten	Thresher, Joyce
Gardner, Arthur Parcel	Wallace, Stanley Lawrence
Garrett, Robert Roth	Zirato, Bruno, Jr.

DEGREES AWARDED IN SEPTEMBER, 1940

(The following earned degrees since Commencement in 1940; the degrees were awarded in September, 1940.)

A.B. DEGREE

Asbury, Kathleen Mary	Bulwinkle, Muriel Charlton
Beck, John Adney	Burns, John Gordon
Bell, Mary Jamison	Chatfield, Margaret
Bonnet, Joe L.	Church, Forrest E.
Bost, Webb	Cockefair, Harriet Benton
Brennan, Sally May	Conner, Henrietta Weaver
Brunansky, Joseph L.	Cornell, Paul A.

Eager, Howard, Jr.
 Emory, Earl Leroy, Jr.
 Epperson, William T.
 Fickes, William Heim
 Gardner, Joseph Tate
 Glenn, Martha Anne
 Harris, Bethel McDonald
 Hayes, Maurice Larry
 Heddesheimer, William George, Jr.
 Hewlett, John Divine
 Hoover, Carol Faith
 Hubbard, Thelma
 Hubbell, Jay Broadus, Jr.
 Hunter, Robert
 Inks, Samuel W., Jr.
 Irving, Henry Vere
 Johnson, Gale Denning
 Jones, Robert Pepin, Jr.
 Jordan, John Sharpe
 Kernodle, William Henry
 Kollmar, Robert
 Lifsey, Julian H., Jr.
 Lohr, Virginia Kathryn

McCutchen, Robert White, Jr.
 McKibbin, Davidson Burns
 Martz, Edward E.
 Megaw, Wesley Ellison
 Moon, Esther
 Mugele, Charles Peter
 Neal, Sadie Bernice
 Nelson, Herman Berg
 Orton, James Richard
 Perdue, Charles Willard
 Porter, Anna Mae
 Pratt, Clarence Hoar
 Rathbun, James P.
 Robinson, Roger Walcott
 Satterthwaite, J. Paul, Jr.
 Staley, Edwin Lewis
 Stubbs, David Leon, Jr.
 Weidner, John H.
 Whiting, J. Evans
 Williams, Margaret Walker
 Williams, Thomas Richard, Jr.
 Witmer, Norman Davis

B.S. DEGREE

In Civil Engineering

Himelright, Loring Kenneth

In Electrical Engineering

Chapin, Reynold Sayre

In Mechanical Engineering

Beck, Clarence Vickers, Jr.

A.M. DEGREE

Ahlstrom, John Dillingham
 Atkins, Emily Lucy Howard
 Ayers, Valla Evelyn Young
 Binns, Elizabeth Feary
 Bowman, Bernice Claire
 Bridy, Charles Louis
 Brown, George Erwin
 Bryant, Anne
 Bryant, Carlyle Rupert
 Buck, Ida Hermine
 Camp, Maryella
 Carson, Robert Brice
 Charlton, Virginia
 Clegg, Mildred Isabel
 Cline, John
 Conoley, Rudolph Evander
 Crawford, Robert Gunn
 Daniel, Annie Laura
 Engle, Mary Margaret
 Fort, Willena
 Franckle, Alice Emma
 Gilmore, Patricia Mary

Golightly, Howard Buren
 Grigsby, Alice Blanche
 Hale, Lois
 Hardin, Paul Douglas
 Hastings, Emily Prince
 Hoffeditz, Laura Margaret
 Johnson, William Pearce
 Kilbourne, Mary Elizabeth
 Layton, Reber Boyce
 Limouze, Mary Anne Heyward
 Lynch, Kathryn Willogene
 McCartt, Mary Leah
 McCullough, Raymond Oliver, Jr.
 MacDonald, Harry John
 Mabry, Gussie Eugene
 Mason, Clarence Walton
 Mason, Elwood Byrd
 Mitchell, James Franklin
 Mitchell, Robert Earl
 Mool, James Bulger
 Motley, Everett Lyle
 Murphy, Maude Alice

Parker, Mary Carolyn
 Pettit, Julia Ruth
 Rasor, Charles Lewis
 Retan, Edith Jeannette
 Seay, Elizabeth Irene
 Smith, Elsie Margaret
 Smith, Jonathan Marshall
 Smith, Margaret McMillan
 Snellgrove, Harold Sinclair
 Steele, Alpheus Thornton
 Steelman, Ruth Amber
 Tripp, Marian Lucile

Voelpel, Agatha Gayle
 Walker, Lela Samantha
 Weller, Grace Harlowe
 Williams, Louis Gressett
 Wilson, Elizabeth Andrews
 Wonder, Craig Earl
 Woodruff, Carmen Moore
 Wynn, Lawrence
 Young, Jerome Louis
 Young, Laura Newell
 Young, William Coleman

M.ED. DEGREE

Barr, Coke Lafyles
 Barr, Leon Vincent
 Bird, Ralph Sidney
 Boland, Joseph Bethro
 Cole, John William
 Cook, Hugh Gray
 Day, Russell Vanburen
 Dean, Lillian Alberta
 Freeman, Fletcher Albert
 Fulton, Pencie
 Harris, Margaret Elliott
 Hartman, Mary Irene
 Heath, Frank Harvey
 Huskey, David Carlyle
 Johnson, Earl Frank
 Jordan, Gladys
 Kelley, Gayle
 Kern, Donald Warren
 Kochenour, Earl Franklin
 Kramer, Miriam Loretta
 McGinnes, William Walter
 McManamon, Hazel Forrester

Martin, Dorsie Garnett
 Martin, Stanley Harland
 Matchett, Ruth
 Matthews, Wesley Woodbury
 Priester, Harold F.
 Rader, George Leroy
 Robinson, Benjamin Franklin, Jr.
 Sanders, Mary Roberta
 Savage, William Richard, Jr.
 Sherry, John Joseph
 Skiles, Fern Othello
 Soverns, James William
 Stone, Jake Ward
 Sypher, Ruth Margaret
 Taylor, Mary Thelma
 Trimble, William Ellwood
 Vandell, William Kenneth
 Wall, Harriet Euphrasia
 Weeks, William Benn
 Yager, Charles Monroe
 Young, Hobart McKinley

ROLL OF STUDENTS 1940-1941

TRINITY COLLEGE FRESHMAN CLASS

Akers, James Jones, Jr.	Charlotte, N. C.
Allen, Frank Burt, Jr.	Maplewood, N. J.
Allen, Lyle McDowell, Jr.	Kirkwood, Mo.
Allen, Robert Lee, Jr.	Miami, Fla.
Allen, Roy Walter	Cheltenham, Pa.
Allman, Russell Vernon	Detroit, Mich.
Allsopp, George Arthur	Newark, N. J.
Almquist, Henry Gustav	Brooklyn, N. Y.
Ambrose, David Edward	Fayetteville, N. C.
Ambrose, Samuel Sheridan, Jr.	Conway, S. C.
Anderson, Earle C.	Brooklyn, N. Y.
Anderson, Robert Harper	Wilson, N. C.
Anderson, Sidney Raymond, Jr.	Shanghai, China
Andrews, Guy Hudson	Durham, N. C.
Andrews, William Franklin	Lynn, Mass.
Angier, John Cicero	Durham, N. C.
Arnesen, Milton Nass	Tottenville, N. Y.
Austin, Henry James	Pittsburgh, Pa.
Baarslag, Anton Frederik	Larchmont, N. Y.
Baker, Richard Herschel	Inverness, Miss.
Baker, Stuart Gilmore	Haddonfield, N. J.
Baldwin, Joseph Livingston	Richmond, Va.
Baradel, Robert Joseph	Brooklyn, N. Y.
Barbee, Charles Wesley	Durham, N. C.
Barker, Clarence Hill	Norfolk, Va.
Barrett, Walter Edwin	Westfield, N. J.
Bartels, Henry Edward	New Rochelle, N. Y.
Barton, Edwin Mouzon	Rome, Ga.
Barton, Roger Evans	Catasaugua, Pa.
Bauer, Arthur David	Brooklyn, N. Y.
Baugh, George Herman, Jr.	Charlotte, N. C.
Baugh, Neale Wesley	Detroit, Mich.
Baugh, Robert Bull	Decatur, Ala.
Baumgartner, Edgar Davidson	Hillburn, N. Y.
Baxter, Sherman Douglas	Waterford, N. Y.
Beach, Robert Clarkson	Medina, N. Y.
Beamer, Elbert Ernest	Mount Airy, N. C.
Beers, William Creighton	Rockville Center, N. Y.
Bello, Harold Anthony	Ossining, N. Y.
Benavides, James M.	Laurelton, N. Y.
Bennett, Arthur David	S. Orange, N. J.
Bernikow, Alfred Seymour	Brooklyn, N. Y.
Bickel, Edward Parry, Jr.	Westfield, N. J.
Biles, Bedford Horace	Concord, N. C.
Bingham, Robert Stuart	Albany, N. Y.
Bishop, Richard Calvin	St. Petersburg, Fla.
Blackwell, Clifford Earl, Jr.	Rockford, Ill.
Blalock, John Vernon	Durham, N. C.
Boardman, William Covert	Fair Haven, N. J.

Bocknewch, Charles Lawrence	Knoxville, Pa.
Bond, Jean Bernerd	Durham, N. C.
Boone, Alexander White, Jr.	Penns Grove, N. J.
Bosca, Mario E.	Springfield, O.
Bott, Edward Schlieff	E. St. Louis, Ill.
Boyce, James Nicholson	Hamden, Conn.
Brandt, Murray Denis	Brooklyn, N. Y.
Breneman, Colver Benjamin	Harrisburg, Pa.
Brenna, Anthony	Trenton, N. J.
Brennan, Wallace Adolph	Dunkirk, N. Y.
Brenner, Terry Marc	New Brunswick, N. J.
Brewer, Byron Macon	Henderson, N. C.
Brigham, James Remmers	Webster Groves, Mo.
Brogan, Edwin Bernard	Atlanta, Ga.
Brooks, Charles Milliken	Portland, Me.
Brooks, John Coffee	Peters, Fla.
Broome, Harry Travis	Washington, N. C.
Brower, Armstead Jackson, Jr.	Liberty, N. C.
Brown, Robert Harding	Charlotte, N. C.
Browne, Ben Judson	Holyoke, Mass.
Browning, Robert Franklin	Graham, N. C.
Browning, William Ellwood	Daytona Beach, Fla.
Buckle, James Robert	Binghamton, N. Y.
Bumgardner, E. Gaither	Columbia, S. C.
Byrd, John William	Columbia, S. C.
Byrn, Collins Pitman	Mayfield, Ky.
Cabrera, Sebastian, III	Key West, Fla.
Cain, John Wilson	Weston, Mass.
Callis, Ben Lewis	Willow Springs, N. C.
Campbell, Frank Highsmith	Durham, N. C.
Canada, William James	Norfolk, Va.
Canine, William Leland, Jr.	Kalamazoo, Mich.
Carroll, Woodrow Wilson	Raleigh, N. C.
Chapman, Frank Abbott	Glen Falls, N. Y.
Chesley, Kenneth Loveland	Newton Highlands, Mass.
Clain, Frank Iverson	Upper Darby, Pa.
Clay, Calder Benjamin, Jr.	Macon, Ga.
Clow, James Hamilton	Coshocton, O.
Clymer, Ludwick Mosyney	Greensboro, N. C.
Coad, John Fitzwater	New Brunswick, N. J.
Cole, Harry Donald	Rochester, N. Y.
Collicott, Lloyd Vincent	Harrisburg, Pa.
Colyer, Robert True	Elberon, N. J.
Coman, James Hilary, Jr.	Durham, N. C.
Connolly, Robert Allen	Scranton, Pa.
Cook, Richard Jack	Lakewood, O.
*Corrington, James Edward	Clinton, Ill.
Cottle, Ralph Ingersoll	Warren, O.
Crist, Edwin Geary, II	Harrisonburg, Va.
Cruse, William Ad	Yonkers, N. Y.
Culbreth, James Harold	Hillsboro, N. C.
Curtin, Walter Raymond	Worcester, Mass.
Dalton, Craig Gates	Toledo, O.
Dalton, James Gossett	Charlotte, N. C.
Darden, Tom Milton	South Bend, Ind.
Davis, Charlie Marion	Tampa, Fla.
Davis, Frank Willard, Jr.	Biltmore, N. C.
Davis, George Thomas	Wilson, N. C.

* Transferred from College of Engineering, February, 1941.

Dawson, Robert William
 DeReamer, John Wesley
 Dickinson, Earle Willard
 Dolt, William Sherman
 Donohue, Robert Edward
 Dudley, Theodore Reinhold
 Dugger, Richmond Henre, Jr.
 Dunkelberger, Lloyd Elmer
 Durgin, Delmer Dennis
 Durham, Gilbert Vincent
 Dye, John Farnam
 Edsall, Arthur Russell
 Edwards, John Paul
 Ennis, John Hammitt
 †Erexson, Charles Frederick
 Ericson, William Hooper
 Everson, Leonard Charles
 Farley, Albert Walter
 Faulkner, Richard Fulton
 Fawcett, Blake
 Felgar, Thomas Oglesby
 Ferraiolo, Frank Charles
 Finch, Donald Curtiss
 Fisher, James Arthur
 Fletcher, Dick E.
 Fletcher, Harold Thompson, Jr.
 Fletcher, Thomas Gibson
 Flynn, Charles Leneen
 Fox, Donald Franklin
 Franck, Robert Edward
 Gaetz, Theodore Douglas
 Gantt, Robert Melvin, Jr.
 Gardner, Arthur Parcel
 Garrett, Frank
 Garrett, Robert Roth
 Gates, William Briggs
 Geary, Joseph Henry
 Gerber, Gordon Wayne
 Gibson, Herbert Martin
 Giddes, Bob Holt
 Gilchrist, Howard T.
 Gill, Charlie W.
 Glassman, Bernard Sholom
 Godwin, Edward Reddin
 Goldman, Balfour David
 Goldthorp, William Runyon
 Gorsuch, Murray Smith
 Gould, Arthur Samuel
 Green, Thomas Martin, III
 Greene, James H.
 Griffith, Brantley Boyd
 Griffith, Walter Llewellyn
 Grisham, Charles Linley
 Grob, Warren David
 Groome, Roland Carlyle
 Grossenheider, Joe Warren
 Grotey, Charles Henry, Jr.
 Guard, John S. Conner

Goldsboro, N. C.
 Elizabeth, N. J.
 Richmond, Me.
 Plainfield, N. J.
 New London, Conn.
 Parkersburg, W. Va.
 Bradnax, Va.
 Dixon, Ill.
 Central Islip, N. Y.
 Durham, N. C.
 Troy, O.
 Mountain Lakes, N. J.
 Graham, N. C.
 Stockley, Del.
 Durham, N. C.
 Rochester, N. Y.
 Schenectady, N. Y.
 Bay City, Mich.
 Scranton, Pa.
 Alderson, W. Va.
 Jacksonville, Ala.
 West Haven, Conn.
 West Haven, Conn.
 Llanerch, Pa.
 Scarsdale, N. Y.
 Grand Rapids, Mich.
 McColl, S. C.
 West Haven, Conn.
 Palmyra, N. J.
 Portsmouth, O.
 White Plains, N. Y.
 Durham, N. C.
 Elmhurst, Pa.
 High Point, N. C.
 Asheville, N. C.
 Johnstown, N. Y.
 Woodhaven, N. Y.
 Philadelphia, Pa.
 Laurinburg, N. C.
 Kenilworth, Ill.
 McKeesport, Pa.
 Charlotte, N. C.
 Washington, D. C.
 Gatesville, N. C.
 Washington, D. C.
 Haddonfield, N. J.
 Daytona Beach, Fla.
 Lakewood, O.
 Baltimore, Md.
 Syracuse, N. Y.
 Lebanon, Va.
 Pottsville, Pa.
 Webster Groves, Mo.
 Merchantville, N. J.
 Greensboro, N. C.
 Webster Groves, Mo.
 Parkersburg, W. Va.
 Ross, O.

† Special student.

- Gutstadt, Joseph Platt
 Hagerman, William Robert
 Haines, Richard Byron
 Haines, William Emens
 Hall, Custis Lee
 Hansbury, Leo Raymond
 Hardesty, Charles Howard
 Harmes, John MacNair
 Harrell, Everett Richard
 Hart, Thomas George, Jr.
 Harvey, John Richard
 Hawkins, Jack DeWeese
 Haynes, Charles Clarence
 Henderson, William Neavitt
 Henry, Burdette Spencer
 Henson, Waldo Cornell, Jr.
 Herter, Charles Jacques
 Hevenor, Herman Phillip, Jr.
 Hill, James
 Hillegass, Arthur Charles, Jr.
 Hineman, Donald Oliver
 Hinnant, Harvey Jackson
 Hinshaw, Robert Alonzo
 Hockenjos, Gottlieb Frederick
 Holcombe, Lynn Montanye, Jr.
 Holmes, Oliver Warren
 Honeycutt, Emery Highsmith
 Hood, Charles Edwin
 Hooper, Thornton Dayton, Jr.
 Hopwood, William Sterling
 Horney, Thurman Adair
 Horrell, William Olney
 Horton, Paul Emmons
 Hosp, David Henry
 Howe, Standish Sturtevant
 Huckabee, Thomas Franklin
 Hughes, John Mitchell, Jr.
 Hughes, William Denver
 Huntsinger, Warren Eugene
 Hustad, John Charles
 Hutchings, Philip Wiley, Jr.
 Ingalls, Foster Kinne
 Ingham, William Chase
 Jaffey, Arthur
 Jamieson, Ronald Sinclair
 Jarvis, Camden A., Jr.
 Johnson, Charles Edward
 Johnson, Clarence Watson, Jr.
 Johnson, David Wellsmon
 Johnson, Haddon, Jr.
 Jones, Ethrage Felton
 Jones, Herman Ennis, Jr.
 Jones, Hiram Ramsey
 Joy, William Addison
 Kaminski, John Joseph
 Kandel, Robert Franklin
 Katzenstein, Jack
 Keller, Robert Slotterback
 Kelly, William Peter
 Chicago, Ill.
 Red Bank, N. J.
 Dayton, O.
 Bridgeport, Conn.
 Washington, D. C.
 Salem, Mass.
 Fairmont, W. Va.
 Binghamton, N. Y.
 Birmingham, Mich.
 West Hartford, Conn.
 Rahway, N. J.
 Fairfield, Conn.
 Durham, N. C.
 East Orange, N. J.
 Bay City, Mich.
 Charleston, W. Va.
 Haworth, N. J.
 Arlington, Va.
 Washington, D. C.
 Buenos Aires, Argentina
 Claymont, Del.
 Raleigh, N. C.
 Akron, O.
 Livingston, N. J.
 Roselle, N. J.
 Dunn, N. C.
 Clinton, N. C.
 Greensboro, N. C.
 Philadelphia, Pa.
 Uniontown, Pa.
 High Point, N. C.
 Dayton, O.
 West Hartford, Conn.
 Newark, N. J.
 Durham, N. C.
 Durham, N. C.
 Pittsburgh, Pa.
 East Liverpool, O.
 Hollis, Long Island, N. Y.
 Minneapolis, Minn.
 Durham, N. C.
 Englewood, N. J.
 Concord, N. H.
 Somerville, N. J.
 Blairstown, N. J.
 Charleston, W. Va.
 Rockville Center, N. Y.
 Lynnfield, Mass.
 Augusta, Ga.
 Atlanta, Ga.
 Durham, N. C.
 Merchantville, N. J.
 Altavista, Va.
 Ventnor, N. J.
 Atlas, Pa.
 Louisville, O.
 Shreveport, La.
 Lovelle, Pa.
 Hastings, Pa.

Kernodle, John Thomas
 Ketchem, Vern Albert
 Kiefer, George Croney, Jr.
 Kilian, Frank Rudolph
 Kingery, Lisle Byron, Jr.
 Kinton, Sam Snider
 Kirsnis, Edmond Robert
 Klimczak, Edward Joseph
 Klisiewski, Richard Francis
 Koperek, Robert Frank
 Lamb, John Lowry
 Lane, Albert Frazier
 Lane, William Augustus, Jr.
 Lapham, George Sealy
 Larsen, Donald Frederick, Jr.
 Lawler, Norman Richard
 Lawrence, William Edmund
 Laycock, Robert Redmond
 Leavitt, Harvey Hamilton
 Levy, William Bernard
 Liddle, William Pfeiffer, Jr.
 Littman, Donald Stanley
 Loftis, James Cedric
 Loftis, Wallace Garland
 Loftus, Frank
 Long, Leo Joseph
 Long, Richard Gwynn
 Lovejoy, Roger Eliot
 Lowry, William John
 Lundeberg, Philip Karl
 Lyons, Carmine Keith
 McAllister, Holden Swift
 McCarthy, Edward James
 McClees, Thomas Atwood
 McDonald, Walter Neill
 McKeehan, William Joseph
 McLain, Philippe Hardy-Thé
 MacDonald, Lorne Sinclair
 MacInnes, Robert Jarvie
 Maines, John Guy
 Martinelli, Mario, Jr.
 Mason, Edward Bowman
 Massenburg, George Yellott
 Masters, Benjamin Clark
 Meixner, John Bernard
 Melervey, Arthur Charles, Jr.
 Mercer, George Richard
 Metz, John Ralph
 Miller, Alex Stanley
 Miller, Edward Allan
 Miller, Emery Elwood
 Miller, John Leavitt
 Miller, Richard David
 Miller, Richard Eugene
 Mindheim, Daniel J. L.
 Mirmelstein, Alvin Benzion Herbert
 Mittle, Harold Lee
 Moize, Paul Frederick
 Montgomery, William Newbegin
 Durham, N. C.
 Cleveland Heights, O.
 Hamden, Conn.
 Norlina, N. C.
 White Plains, N. Y.
 Durham, N. C.
 Paulsboro, N. J.
 New Haven, Conn.
 Rochester, N. Y.
 New Kensington, Pa.
 Lakewood, O.
 Hempstead, N. Y.
 Miami, Fla.
 Columbus, Ga.
 Green Bay, Wis.
 Niagara Falls, N. Y.
 Brooklyn, N. Y.
 Asheville, N. C.
 Wadesboro, N. C.
 Harrisburg, Pa.
 Sea Girt, N. J.
 New Britain, Conn.
 Durham, N. C.
 Durham, N. C.
 Chevy Chase, Md.
 South Orange, N. J.
 Roxboro, N. C.
 Holyoke, Mass.
 East Cleveland, O.
 Durham, N. C.
 Charleston, W. Va.
 Glencoe, Ill.
 Philadelphia, Pa.
 Elm City, N. C.
 Durham, N. C.
 Johnson City, Tenn.
 Great Neck, N. Y.
 Birmingham, Mich.
 Erie, Pa.
 Ossining, N. Y.
 Covington, Va.
 Milford, Conn.
 Macon, Ga.
 Oak Park, Ill.
 Chicago, Ill.
 New Rochelle, N. Y.
 Indianapolis, Ind.
 Saylesville, R. I.
 Millersburg, Ky.
 New York, N. Y.
 Rich Creek, Va.
 Collingswood, N. J.
 Great Neck, N. Y.
 Chicago, Ill.
 Elizabeth, N. J.
 Newport News, Va.
 Beaufort, S. C.
 Durham, N. C.
 Highland Park, Mich.

- Moore, Samuel Leedom
 Moorhouse, Richard Parmelee
 Mooring, Francis Paul
 Moppert, Edward Joseph, Jr.
 Morgenthau, John Lewis, Jr.
 Morris, Robert James
 Morrison, Robert Douglas
 Morton, David Lindsay
 Moses, Gerald Hanson, Jr.
 Moss, Gilbert
 Mousmoules, James Andrew
 Murray, Andrew Hawirt
 Nanni, Americo Roger
 Napier, Wallace Lee
 Nauman, Reginald Arnold
 Nauman, Robert Vincent
 Neal, Joseph Thomas
 Nelson, William Edward
 Newman, Wallace Brown
 Newton, Edward Traywick, Jr.
 †Newton, George Washington
 Nicholson, Henry Hale, Jr.
 Nobles, Joseph John
 Norris, Franklyn Gray
 Nunn, DeWitt Archibald
 Ogburn, Paul Lanier
 Onken, Warren Harding
 Oppegaard, Manford Minier
 Overcash, Clifton Odell
 Overman, John Reagan
 Owen, Lewis Hagood
 Ozment, James Hubert, Jr.
 Pace, Sherman Homer
 Palmer, Harry Hyde
 Parker, Elton Caron
 Parks, Benjamin Green, Jr.
 Patterson, George William, Jr.
 Peace, William Watson
 Perschbacher, Elmer Otto, Jr.
 Peters, George Andrew
 Phillips, Sam L., Jr.
 Pittman, Stephen Chester
 Plazenski, Edward Peter
 Poe, William Boyd
 Polokoff, Edwin
 Poole, John Gibbs, Jr.
 Potter, Robert Daniel
 Powell, Leon Williams, Jr.
 Primm, Arthur Weeks
 Prudhome, Robert Joseph
 Prytherch, John Pershing
 Prytherch, Robert Hugh
 Quaritius, Jack Hoffmann
 Quenzer, Harry Milton, Jr.
 Rae, Matthew Sanderson
 Rand, Julian Arey, Jr.
 Rauch, Marshall Arthur
 Raulerson, Thomas Page
 Miami Beach, Fla.
 Englewood, N. J.
 Rocky Mount, N. C.
 Plainfield, N. J.
 Elizabethtown, N. Y.
 Rockville Center, N. Y.
 Larchmont, N. Y.
 Charlotte, N. C.
 Sewickley, Pa.
 Kenmore, N. Y.
 Durham, N. C.
 Oyster Bay, L. I., N. Y.
 Pittston, Pa.
 Durham, N. C.
 E. Stroudsburg, Pa.
 Analomink, Pa.
 Savannah, Ga.
 Wilmington, Del.
 Charlotte, N. C.
 Durham, N. C.
 Durham, N. C.
 Statesville, N. C.
 Greenville, N. C.
 Washington, D. C.
 Winston-Salem, N. C.
 Charlotte, N. C.
 Brooklyn, N. Y.
 Minneapolis, Minn.
 High Point, N. C.
 Marion, Ind.
 Durham, N. C.
 Dyersburg, Tenn.
 St. Petersburg, Fla.
 Tarboro, N. C.
 Clinton, N. C.
 Waycross, Ga.
 North Bergen, N. J.
 Henderson, N. C.
 Wauwatosa, Wis.
 Glenbrook, Conn.
 Wing, N. C.
 Morehead, N. C.
 New Britain, Conn.
 Durham, N. C.
 Poughkeepsie, N. Y.
 Charlotte, N. C.
 Wilmington, N. C.
 Durham, N. C.
 Miami, Fla.
 Wheeling, W. Va.
 Binghamton, N. Y.
 Ridgewood, N. J.
 Rockville Center, N. Y.
 Westmont, N. J.
 Pittsburgh, Pa.
 Raleigh, N. C.
 Woodmere, N. Y.
 Athens, Pa.

† Special student.

Ray, Arthur Caldwell, Jr.
 Richardson, John Wick
 Riebel, Embry Lewis
 Riedell, William George
 Robbins, David Williamson
 Robbins, Donald Strickland
 Roberts, Frank Fowler
 Robertson, James Matteson
 Robinson, William Harry
 Rocap, Edward
 Rogers, William Edwin
 Rokos, William Jay, Jr.
 Ropp, Donald Willard
 Rose, James Anderson
 Rose, Robert Herman
 Rudisill, Justus Coyte
 Rute, Charles Robert
 Sailer, Rowland Walter
 Saunders, Richard David
 Sawyer, John Richard
 Schlaseman, Guy Walter
 Schmidt, George Houston
 Schnautz, William John, Jr.
 Schuchardt, William Arthur
 Schuman, Eugene Stocton
 Scott, Donald Holl
 Secrest, Andrew McDowd, Jr.
 Secrest, Vann Vanderlyn, Jr.
 Seger, Oscar Franklyn
 Selfridge, James Heath
 Sellinger, David Ewing
 Seward, John Evans
 Shaw, John Thompson
 Sheldon, Robert Leonard
 Shelley, Richard Charles
 Shepard, Kenneth Shiler
 Sheridan, Robert John
 Sherman, Paul Henry
 Shuart, Karl Park, Jr.
 Shuler, Tom Crawford
 Shultzaberger, Lawrence Zane
 Sisek, Harry
 Smalet, John
 Small, Richard Glen
 Smart, Roy Louis, Jr.
 Smeltzer, James Loughrey
 Smith, Arthur George
 Smith, Chandler Sparkman
 Smith, Charles Vestus
 Smith, Henry Hervey
 Smith, Nathan Amasa
 Smith, Nathan Shelburne
 Smith, Richard Ferree
 Smith, William Henry
 Smoots, Herbert Theodore
 Snodgrass, David Paul
 Snow, Donald Franklyn
 Snyder, Ralph Warner
 Soule, Harold Brown

Freeport, N. Y.
 Memphis, Tenn.
 Wexford, Pa.
 Montclair, N. J.
 Riverton, N. J.
 Waterbury, Conn.
 Marshall, N. C.
 Carlsbad, N. M.
 Palmyra, N. J.
 Springfield, Pa.
 Durham, N. C.
 Baltimore, Md.
 Detroit, Mich.
 Philadelphia, Pa.
 New York, N. Y.
 Newton, N. C.
 Easton, Pa.
 Philadelphia, Pa.
 Athol Springs, N. Y.
 West Newton, Mass.
 Lansford, Pa.
 Elmira, N. Y.
 Buffalo, N. Y.
 Wyoming, O.
 Latrobe, Pa.
 Coshocton, O.
 Monroe, N. C.
 Monroe, N. C.
 Ocean Grove, N. J.
 Poughkeepsie, N. Y.
 Sheboygan, Wis.
 Newport News, Va.
 Bishopville, S. C.
 Roselle Park, N. J.
 Brooklyn, N. Y.
 Evanston, Ill.
 Englewood Cliffs, N. J.
 Baltimore, Md.
 Grand Rapids, Mich.
 New Philadelphia, O.
 Ardmore, Pa.
 Youngstown, O.
 Philadelphia, Pa.
 Rockville Center, N. Y.
 Charlotte, N. C.
 Youngstown, O.
 Binghamton, N. Y.
 Robersonville, N. C.
 Tennille, Ga.
 Raleigh, N. C.
 Greensboro, N. C.
 London, Ky.
 Philadelphia, Pa.
 Mount Airy, N. C.
 Indianapolis, Ind.
 Canonsburg, Pa.
 Danbury, Conn.
 Bronx, N. Y.
 S. Weymouth, Mass.

Speziale, John Albert	Torrington, Conn.
Speth, Charles Theodore	South Temple, Pa.
Spieth, Marshall William	Louisville, Ky.
Spindler, Ray William	Chicago, Ill.
Spitler, John Douglas	Findlay, O.
Starr, Maurice Kenneth	Baltimore, Md.
Stauf, Jack Harrison	Oceanside, N. Y.
Steel, Charles Earl	Indiana, Pa.
Stephens, Nelson	Long Beach, Cal.
Steurer, William Henry	Tarrytown, New York
Sticht, Roger John	Kenmore, N. Y.
Stick, Wesley deHaven	Hanover, Pa.
Stone, Jerry Broadwell	Hillsboro, N. C.
Stott, Grady B.	Bailey, N. C.
Strater, David Eli	Ogunquit, Me.
Strope, James Ervin	Delmar, N. Y.
Swartsbaugh, Jason Blackford	Toledo, O.
Tailer, William Harding	Coral Gables, Fla.
Tallman, Alfred Bryant, Jr.	Hamburg, N. Y.
Tantum, Robert David	Cream Ridge, N. J.
Taylor, Robert Russell	Arlington, N. J.
Theis, John Earl	Wheeling, W. Va.
Thomas, William Rayford	Durham, N. C.
Thompson, Miles Gilbert	Cumberland, Md.
Thompson, Robert Gordon	Durham, N. C.
Thomson, George Bell	Crowley, La.
Tippett, Lucius Holmes	Havana, Cuba
Tompkins, James Kenneth	Johnson City, N. Y.
Tope, Robert Ellwood	Philadelphia, O.
Truitt, Ross Warren	San Diego, Cal.
Tucker, Sterling Woodward	Little Rock, Ark.
Turner, Tom Jonathan	Nanticoke, Pa.
Tuscany, Arthur Joseph, Jr.	Lakewood, O.
Ulman, Howard Lewis	Williamsport, Pa.
†Upchurch, James Elmon	Durham, N. C.
Vann, Arthur	Dunn, N. C.
Veal, Joseph Holliday	Madisonville, Ky.
Vehe, Robert Richard	Chicago, Ill.
Wagner, Wayne Rogers	Belleville, Ill.
Walenta, Paul Parks	Baltimore, Md.
Walkey, Frederick Platt	Saugus, Mass.
Wallace, Stanley Lawrence	Brooklyn, N. Y.
Wappett, John Newton	Rockville Center, N. Y.
Weidman, Richard Lowell	Sinking Spring, Pa.
Weiland, William Ransom	Westfield, N. J.
Weisman, S. Miller	Detroit, Mich.
Wells, Robert Arthur	Weehawken, N. J.
Wells, William Polson	Bay City, Mich.
Welshans, Charles Robert	Wheeling, W. Va.
Welton, Robert G.	Ellwood City, Pa.
Wenman, James Taylor	Stamford, Conn.
Westover, Don Alden	Hastings, Pa.
Whalen, Robert Edward	Portsmouth, N. H.
Wilbur, Jerry Francis, Jr.	Johnstown, Pa.
Wiles, John Herman	Dayton, O.
Williams, James Edward	Durham, N. C.
Williams, Lester Lloyd	Concord, N. C.
Williams, Moke Wayne	Monroe, N. C.

† Special student.

Willoughby, Dan Hall
 Wilmot, Geary Anson
 Winter, Charles Kafoid
 Wolfe, James Boyd, Jr.
 Wrenn, Richard Nickles
 Wright, Morrow
 Wright, William Smith
 Yamashita, Toyoro
 Yarborough, Frank Graham
 Young, Dan
 Young, Robert Dudley
 Zirato, Bruno, Jr.

Jackson, Miss.
 Cooperstown, N. Y.
 Bridgeport, Conn.
 Greensboro, N. C.
 Anderson, S. C.
 Hillsboro, O.
 Wilson, N. C.
 Shibaku, Tokio City, Japan
 Cary, N. C.
 Akron, O.
 Neenah, Wis.
 New York, N. Y.

SOPHOMORE CLASS

Asterisk indicates that the student does not have full class standing in hours or quality points.

Achuff, Delbert Leroy
 Adamson, Robert Emory
 *Aderholdt, Daniel Franklin
 Ahara, Howard Bates
 *Alexander, James Gladden
 *Alspach, William Joseph
 *Alston, William Merideth
 Anderson, John Frederick
 Anderson, Roy Martin
 *Andrews, William Reid
 *Ansbro, William Bernard, Jr.
 Autry, Paul Geddie
 *Baer, Julius Arthur, II
 Ballard, David Leon
 Bates, William, Jr.
 *Baynes, Walter Wright
 *Beede, Royal Lindsay
 Beeghly, John David
 Bennett, William Doub
 Benoit, John Henry
 Berg, Roy Gene
 Berté, Stephen Joseph
 *Bird, Robert Calvin
 Birkelo, Carl Heggen
 Black, Julian Rigler
 Blight, Howard Rodger
 *Bloxom, Robert Norris
 Bluefeld, Curt
 Boehm, Kenneth Everett
 Boger, Richard Edwin
 Boggs, James Samuel
 Bond, Lewis Franklin
 Booker, James Franklin
 Bopp, Henry William
 Bouse, Samuel Garner
 *Bowman, James Clair
 Boykin, Lester Junod
 Branscomb, Bennett Harvie, Jr.
 *Breedlove, Joseph Penn, Jr.
 *Brewer, Curtis Evaster
 *Bristow, William Lincoln
 *Browder, Bannister Randolph
 Brown, Richard Arnold

Brooklyn, N. Y.
 Jacksonville, Fla.
 Salisbury, N. C.
 Evanston, Ill.
 Lakewood, O.
 Cincinnati, O.
 Henderson, N. C.
 Seattle, Wash.
 Hempstead, N. Y.
 New York, N. Y.
 Red Bank, N. J.
 Fayetteville, N. C.
 St. Louis, Mo.
 Ellerbe, N. C.
 Philadelphia, Pa.
 Winston-Salem, N. C.
 Ossining, N. Y.
 Youngstown, O.
 Rocky Mount, N. C.
 New York City
 Great Neck, N. Y.
 Brooklyn, N. Y.
 Greeneville, Tenn.
 Detroit, Mich.
 Charlotte, N. C.
 Bridgeport, Conn.
 Mapps, Va.
 Nutley, N. J.
 East Orange, N. J.
 Charlotte, N. C.
 Circleville, O.
 Washington, D. C.
 Waynesboro, Va.
 Terre Haute, Ind.
 Ambler, Pa.
 Gladstone, N. J.
 Washington, D. C.
 Durham, N. C.
 Durham, N. C.
 Chapel Hill, N. C.
 Philadelphia, Pa.
 Winston-Salem, N. C.
 Aurora, Ill.

- Bulger, Kyrn White
 Bullock, Harvey Reade
 Buonocore, Frank Ralph
 *Burbank, Daniel Norman
 *Burns, Thomas Edward
 Burrows, Charles Frederick
 Butler, James Jamison
 Butner, Bobby Jean
 Bynum, Fred Williamson, Jr.
 *Campbell, Alton Gailey
 Campbell, Strouse, II
 *Carlozzi, Charles Raymond
 Carrell, John Robert
 *Carson, Robert Stephenson
 Carter, Claude Elwood
 Carter, Russell Lawrence
 *Carter, Wilton Snowden
 *Casey, Timothy Michael
 Chambers, Robert George
 *Chapin, John Estes
 Chaput, Robert John
 *Cleaver, Fred Robinson
 Clifford, Thomas Norman
 Cline, John Maxwell
 *Colella, Robert Alphonsas
 Cook, Daniel George
 *Cook, Howard Charles
 *Courtney, Marcus Vincent
 Cowan, Eben Edward
 Cox, Charles Vincent
 Coyle, William Johnson
 Coyte, Lawrence Malcolm
 Cozart, Wiley Holt
 *Crane, Henry Hitt, Jr.
 *Crigler, Norris Wolf
 Cuthrell, John Arrington, Jr.
 Dale, Francis Lykins
 Dannelley, Frank Humphrey
 Dant, James Kelly
 *Davenport, Joseph Blount
 *Davis, Edward Morris
 *Deane, Carl Brandon
 *Dempsey, Luther Edgar, Jr.
 DeNio, Arthur Edward
 Dennis, William Baker
 *Devonshire, James Francis
 *Dixson, Francis Rogers
 *Dixon, Wright Tracy
 Dodd, Rufus Burton
 *Donahue, Irvine Nelson
 Dougherty, Eric Schoonmaker
 *Doyle, William Findlay
 Drew, Joseph Norman
 Ducker, Edward Sease
 *Dugan, John Edward
 *Duncan, George Henry
 Dunn, Albert Wilkerson
 Dunn, Robert Thomas
 Earnhardt, Herman Lee
 Milton, Mass.
 Binghamton, N. Y.
 Torrington, Conn.
 Washington, D. C.
 Winston-Salem, N. C.
 Pelham Manor, N. Y.
 Wilkes-Barre, Pa.
 Bethania, N. C.
 Rockingham, N. C.
 Raleigh, N. C.
 Portland, Ore.
 Lindhurst, N. J.
 Dallas, Tex.
 Orlando, Fla.
 Detroit, Mich.
 West Hartford, Conn.
 Pikesville, Md.
 Concord, Mass.
 Jackson Heights, N. Y.
 Rochester, N. Y.
 Royal Oak, Mich.
 Middletown, Del.
 Rodgers Forge, Md.
 Durham, N. C.
 Durham, N. C.
 Lakewood, O.
 Johnstown, Pa.
 Charlotte, N. C.
 Springdale, Conn.
 Shaker Heights, O.
 Carlisle, Pa.
 Louisville, Ky.
 Fuquay Springs, N. C.
 Detroit, Mich.
 Charlotte, N. C.
 Leaksville, N. C.
 Portsmouth, O.
 Robstown, Tex.
 Washington, Ind.
 Windsor, N. C.
 Bristol, Tenn.
 Charlottesville, Va.
 Greensboro, N. C.
 Detroit, Mich.
 Henderson, N. C.
 Carney's Point, N. J.
 Winston-Salem, N. C.
 Raleigh, N. C.
 Zanesville, O.
 Merchantville, N. J.
 Tannersville, N. Y.
 Glen Ridge, N. J.
 Ridgefield Park, N. J.
 Charlotte, N. C.
 Philadelphia, Pa.
 Spartanburg, S. C.
 Durham, N. C.
 Lyndhurst, N. J.
 Salisbury, N. C.

- Eaton, Dale E.
 Edelman, Irving Jacob
 *Edinger, Richard Loren
 Eitner, William Wolfgang
 *Elliott, Emrich Eugene
 Entrekin, William Frank, Jr.
 *Eskridge, Clyde Clingman
 Essey, Albert John
 *Ezelle, John Wofford
 *Ezerski, Frank Peter
 *Fagala, Orin Henry
 *Fancher, Malcolm Gareth
 Farinash, Francis Leonard
 Feldman, Leon
 Few, Randolph Reamey
 Field, Frank Henry
 Fisher, Frederick William
 Fitzpatrick, Walter Thomas
 Flynn, Charles Shivey
 Ford, Richard Henry
 Friedberg, Edwin Peter
 Frostick, Frederick Charles
 Fuqua, Robert Meek
 Gaillard, Eyre Davis
 Galt, Howard Thomas
 Gamble, Robert Ross
 *Garris, William Philip
 Gatling, William Harrell
 German, Paul Mouzon
 *Gobble, James Franklin
 Golden, James Boyd
 Goldstein, Edward Lee
 Gosnell, William Burton
 Gould, Harry Simeon
 *Gould, Philip Dean
 *Graves, John
 *Green, Raymond Edgar
 *Green, Seymour Stanley
 Green, William Nathaniel
 *Gregory, Dallas Maynard, Jr.
 *Groll, Raymond Carl
 Gross, Robert Argyle
 Grover, Harry George
 Haberern, Wendell Albert
 Hagins, John Williams
 Hale, John
 *Hamilton, Hugh Edwin, Jr.
 *Hand, Herbert Gilman
 Hanford, John Van
 Hansen, Benjamin Holmes
 Harawitz, Benedict Richard
 Harawitz, David Leonard
 Harrington, Joseph Sibley
 Harrison, Fenton Frank
 Hart, Vernon Thomas
 Harward, Stephen Cannada
 *Hathaway, Richard Earl
 *Hedley, George Saville, Jr.
 Heller, George Henry
 Kenmore, N. Y.
 Cleveland, O.
 Woodstock, Ill.
 Kew Gardens, L. I., N. Y.
 Terre Haute, Ind.
 Belleville, N. J.
 Winder, Ga.
 Maxton, N. C.
 Gaffney, S. C.
 Monessen, Pa.
 Durham, N. C.
 Poundridge, N. Y.
 Jenkins, Ky.
 Charleston, S. C.
 Durham, N. C.
 Cliffside Park, N. J.
 Wausau, Wis.
 White Plains, N. Y.
 Bluefield, W. Va.
 Upper Darby, Pa.
 Atlantic City, N. J.
 Maxton, N. C.
 Bluefield, W. Va.
 New York, N. Y.
 Glenmore, Chester Co., Pa.
 Batavia, N. Y.
 Wadesboro, N. C.
 Norfolk, Va.
 Shawnee, Okla.
 Winston-Salem, N. C.
 Greenfield, Mass.
 Harrison, N. J.
 Wilmington, Del.
 Park Ridge, N. J.
 Mahwah, N. J.
 Wilson, N. C.
 Clearwater, Fla.
 Abingdon, Va.
 Graham, N. C.
 Skipwith, Va.
 Flushing, N. Y.
 Elkins, W. Va.
 Bayside, N. Y.
 Riverton, N. J.
 Johnstown, Pa.
 Wilmette, Ill.
 Mt. Lebanon, Pa.
 Westfield, N. J.
 Salisbury, N. C.
 Charlotte, N. C.
 Pittsfield, Mass.
 Pittsfield, Mass.
 Franklin, Pa.
 Buffalo, N. Y.
 Baltimore, Md.
 Durham, N. C.
 Gloversville, N. Y.
 Lakewood, O.
 Hamburg, N. Y.

- *Hench, Edgar Bishop
 Hendricks, Warren Aiken
 Henshaw, Douglas Venville
 *Herder, Donald
 Herdic, John Robert
 *Hessler, Robert Edward
 Hickman, Marcus Tobias
 *Hill, John Kling
 Hill, Samuel Richardson
 Hillier, George Robert
 *Himelright, Richard Coplan
 Hoeland, Donald Earl
 Hoffberger, Charles Bertram
 Hogg, William Rickey
 Hogue, W. Fay
 *Holmes, Alfred Theodore, Jr.
 Holt, Duncan Waldo, Jr.
 *Hoover, Alfred Richard
 Hopkins, Waring Carrington
 Hornaday, John Albert
 Horton, Bill Furman
 *Hostetter, Earl Richard
 Howerton, Thomas Royster
 Hubbell, David Smith
 *Huffman, Weddie Wilson
 Huntington, William Richard, III
 Hutchins, Richard Thornton
 Ing, Robert Bowen
 Irish, Bruce Barstow
 Isdell, Nelson Leroy
 Jacobson, Merwin William, Jr.
 Jenkins, Edgar Joseph
 Jenkins, John Richard, Jr.
 Jennison, John Charles, Jr.
 Johns, Barron, Jr.
 *Johnson, Franklyn Rader, Jr.
 Johnson, Gordon Lawrence
 Johnson, Stewart Henry
 *Johnson, Waverly Lee
 Jones, John David
 Jones, Joseph Kempton
 *Kale, Wallace Wilford
 Kaltman, Alfred Julian
 *Kaplan, Seymour Robert
 *Karl, William Alvin, Jr.
 Kefauver, Clarence Eugene
 Keister, Stephen Ridinger
 *Keller, Thomas Whitney
 Kennedy, John Wesley
 Kernoll, Sherrick Twist
 Kiely, Thomas Michael
 Kilham, Dixie Donald
 *Kirkland, Olin Travis
 *Kirkwood, Philip Leroy
 Kitchens, Jack Conway
 *Kolb, Harry Jacob, Jr.
 Koonce, Duval Holtzclaw
 Korowicki, Charles Henry
 *Kuehnle, William Joseph
 Harrisburg, Pa.
 Laurinburg, N. C.
 Elizabeth, N. J.
 Baltimore, Md.
 Williamsport, Pa.
 Philadelphia, Pa.
 Hudson, N. C.
 Snyder, N. Y.
 Greensboro, N. C.
 Westfield, N. J.
 Winchester, Va.
 Dayton, O.
 Baltimore, Md.
 Wilkinsburg, Pa.
 Croton-on-Hudson, N. Y.
 Ridgefield, N. J.
 Greensboro, N. C.
 Toledo, O.
 Merion, Pa.
 Enfield, N. C.
 Brooklyn, N. Y.
 Hollis, N. Y.
 Durham, N. C.
 Durham, N. C.
 Thomasville, N. C.
 Rutherford, N. J.
 Ogunquit, Me.
 Managua, Nicaragua
 Staten Island, N. Y.
 Delmar, N. Y.
 Baltimore, Md.
 Washington, D. C.
 Albany, N. Y.
 Porte Vedra, Fla.
 Shreveport, La.
 Hoopeston, Ill.
 Centredale, R. I.
 Staten Island, N. Y.
 Blackstone, Va.
 Wadsworth, O.
 Salisbury, N. C.
 Charlotte, N. C.
 Lawrence, N. Y.
 Brooklyn, N. Y.
 Baltimore, Md.
 Washington, D. C.
 Greensburg, Pa.
 La Grange, Ill.
 Danville, Va.
 Wilmington, Del.
 Torrington, Conn.
 Baltimore, Md.
 Auburndale, Fla.
 Wildwood, N. J.
 Bradley Beach, N. J.
 New York, N. Y.
 Chadbourne, N. C.
 Arnold, Pa.
 Elizabeth, N. J.

- Kurtz, John Cornell
 Kurzrok, Felix
 Lamm, LeRoy Barden
 Lanahan, Edward Lauck
 Larson, Carnot Carlyle
 Lassiter, Robert Roland
 Leiby, James Shaffer
 *Leslie, William James
 Leuthold, Richard Albert
 Lockwood, Wendell Newton
 *Logie, James Van Dusen
 *Loidl, Alfred George
 Lombardi, Jerry Francis
 Long, John Oglesby, Jr.
 *Lupton, Frederick Arthur, Jr.
 Lutz, James Dwight
 McCormick, Robert Compton
 McCune, Frank Watt
 *McDougald, John Atchison
 McGauhey, John Farris
 McGehee, William Neidlinger, Jr.
 McGimsey, Edward Claywell
 McGirt, William Archibald, Jr.
 McGovern, John Phillip
 McGrane, Arthur Joseph
 McKinnon, Henry Alexander, Jr.
 McLaughlin, Joseph
 McMorries, Edwin Eliot
 MacDade, Thomas Clark, Jr.
 Malone, Harold John
 *Manning, Reginald Murrill
 *Marshall, James Orton
 *Marshall, Sam Parks
 Martin, Garland Estes
 Martin, Richard Hiram
 Mason, Arthur Hugh, Jr.
 Maxwell, Frederick Clair
 Maxwell, Jay Cohen
 *Menner, Francis William
 *Messenkopf, Philip Charles
 Meyer, Arthur Francis
 Mills, John Parmelee
 Mills, William Breyman
 Milnes, William Willis
 Milton, Raymond Michael
 Miner, Robert Calvin
 *Moore, John Maxwell
 Moore, Robert Todd
 Moore, Theodore Vivian
 Moore, Thomas Joseph
 Morris, Robert Cullom
 Moseley, Daniel DuPre
 Moss, Earle Chester, Jr.
 Moylan, John Dudley
 *Mullen, Thomas
 Murdaugh, Marion Edward
 Murphy, Kenneth James
 *Myers, Donald
 Nasher, Raymond Donald
 Toledo, O.
 Fieldston, N. Y.
 Lucama, N. C.
 Pittsburgh, Pa.
 Pittsburgh, Pa.
 Jackson Heights, N. Y.
 Tiffin, O.
 Durham, N. C.
 Warren, Pa.
 Plainville, Conn.
 Bridgeport, Conn.
 Anderson, Ind.
 Danbury, Conn.
 Warrenton, N. C.
 Leesburg, N. C.
 Shelby, N. C.
 Washington, D. C.
 McKeesport, Pa.
 Bayside, N. Y.
 Pawling, N. Y.
 Washington, D. C.
 Morganton, N. C.
 Wilmington, N. C.
 Washington, D. C.
 Brooklyn, N. Y.
 Lumberton, N. C.
 Charlotte, N. C.
 Coronado, Cal.
 Hollis, L. I., N. Y.
 New Britain, Conn.
 Williamston, N. C.
 Lewes, Del.
 Raleigh, N. C.
 Salisbury, N. C.
 Akron, N. Y.
 Buffalo, N. Y.
 Mamaroneck, N. Y.
 Smithville Flats, N. Y.
 Irvington, N. J.
 Erie, Pa.
 Cleveland Heights, O.
 Willoughby, O.
 Cedar Rapids, Iowa
 Struthers, O.
 Lynbrook, N. Y.
 Albany, N. Y.
 Charlotte, N. C.
 Anchorage, Ky.
 Miami, Fla.
 Bronxville, N. Y.
 Winnetka, Ill.
 Spartanburg, S. C.
 Providence, R. I.
 Miami, Fla.
 Brooklyn, N. Y.
 Durham, N. C.
 Rensselaer, N. Y.
 Albany, N. Y.
 Brookline, Mass.

- Newbold, Herbert Leon, Jr.
 Newport, Albert Byron
 *Nicholas, Max Wellington
 Nute, Floyd Thomas
 *O'Connor, William Paul
 *O'Donnell, Richard Justin
 Oestmann, Charles Henry
 O'Mara, Allan Hill
 Osborne, William Farrand, Jr.
 Paddison, Richard Milton
 *Pansing, Joseph Coppock
 Patten, John William
 Patterson, George Lowndes
 *Patterson, John Duncan, Jr.
 Pattridge, Willard Lee
 *Pearson, James Blackwood
 Perry, Donald Graham
 Philipp, Albert Ernest
 Phillips, John Wilfred
 Pickard, Sam
 *Pifer, Robert Theodore Alston
 Pinsky, Melvin Lester
 Poole, Grover Duckett
 Porritt, Richard Harley
 *Porter, Winston Allen
 Porterfield, David Ormond
 Powell, Ralph Waldo
 Preer, Jack
 Preis, Edwin Ernest
 Radford, John Alexander
 Rankin, William Walter
 Read, Thomas
 Rector, Robert Chapin
 *Redding, Clyde
 Reese, Warren Butman
 Remley, Samuel Goodwin
 *Rich, Elwood Merrill
 Roberts, Andrew James
 *Robinson, Arthur Paul
 Robinson, George Gilmour, Jr.
 *Romp, Arthur, Jr.
 *Rose, Albert A.
 Rosen, Allard Frank
 Rothbaum, Samuel
 Ruark, Franklin Stiffler
 Rudnick, Frank
 Rushmore, John Frederick
 *Rusk, Stephen Lewis, III
 Ruskin, Edwin Robert
 Russell, Philip Everitt
 Russill, Robert McCurdy
 Ryan, Robert Howe
 Schaefer, Edmund De Shon
 *Schaefer, Jack William
 Schofield, Albert
 Schriever, John Henry
 Schwaninger, George Robert
 Schwartz, William Benjamin
 *Scott, Samuel Montgomery
 Newport News, Va.
 Philadelphia, Pa.
 Williamsport, Pa.
 Portland, Me.
 Woburn, Mass.
 Wilkes-Barre, Pa.
 Youngstown, O.
 Terre Haute, Ind.
 Arlington, N. J.
 Savannah, Ga.
 Dayton, O.
 Euclid, O.
 Miami, Fla.
 Rockingham, N. C.
 Orlando, Fla.
 Lynchburg, Va.
 Winston-Salem, N. C.
 Bogota, N. J.
 Brewster, N. Y.
 Flat Rock, N. C.
 Durham, N. C.
 Bellaire, O.
 Raleigh, N. C.
 Providence, R. I.
 East Liverpool, O.
 St. Clairsville, O.
 Avondale Estates, Ga.
 Daytona Beach, Fla.
 Merchantville, N. J.
 Washington, D. C.
 Durham, N. C.
 West Pittston, Pa.
 Omaha, Neb.
 Portsmouth, O.
 Birmingham, Mich.
 Port Edwards, Wis.
 Williamsport, Pa.
 Belleville, N. J.
 Laurel, Del.
 Woodbridge, N. J.
 North Olmsted, O.
 Kingston, N. Y.
 East Cleveland, O.
 Palmyra, N. J.
 Park Ridge, Ill.
 Middletown, Del.
 Clark's Green, Pa.
 St. Petersburg, Fla.
 New Rochelle, N. Y.
 Glencoe, Ill.
 Burgettstown, Pa.
 Akron, O.
 Bridgehampton, N. Y.
 Ridgewood, N. J.
 Boston, Mass.
 Grosse Pointe, Mich.
 Jamaica Estates, N. Y.
 Woodmere, N. Y.
 Waynesburg, Pa.

- Seman, Luen Karl
 Seward, Frank Martin
 Sheldon, Murray Bernard
 Shockey, Joseph Porter, Jr.
 Sierichs, William Cornell
 *Silverbach, Alan Melville
 Simester, Don Phillip
 *Simon, George Solomon
 *Simonds, Dwight Lunt
 *Skellenger, John Robert
 *Skoglund, John Albert
 *Slocum, William Harold
 Smeltzer, Dave Harvey
 Smith, Benjamin Lee, Jr.
 *Smith, Boylston Dandridge, Jr.
 *Smith, Cody Heber
 Smith, Earle Stuart
 Smith, Leonard James
 Smith, Luther Louis, Jr.
 Smith, Richard Ballenger
 *Smith, Sidney William
 Smoot, Fred Burton
 *Smoot, James Watson, Jr.
 Snyder, Thoburn Rudolph
 *Sobell, Maurice Henry
 *Spohn, Samuel Edwin
 Stark, William Eugene
 Starr, Ralph Walters
 Steckel, Hugh Cleveland
 *Stenglein, Robert Wolcott
 *Sterner, George Willard
 *Stevenson, Harold Tabor
 Stewart, William Sinclair
 Stokes, Paul Richard
 Stone, Frederick Hamilton
 Storer, Moffat
 Stovall, John Reed, Jr.
 Strotz, Robert Henry
 Stuart, John Pressley
 Sudrann, Robert Bernhard
 Suiter, Thomas Bayton
 *Sutfin, Jesse
 *Swank, Richard Gale
 Swope, Lee Frederick
 *Sykes, Claude Oliver
 Taylor, Allen
 *Taylor, Frank Todd
 Thomas, Alfred Richard
 Thomas, James Kenneth
 Thomas, Raymond George
 Thurston, William Edgar
 Tomkinson, Charles Richard
 Tope, Charles Wilders
 *Tozier, Norman Harold
 Treleven, Harry William
 Trimmer, Perry Richmond
 Trumble, Richard William
 Turlington, Henry Lee
 Turner, John Morley
 Woodmere, L. I., N. Y.
 Merchantville, N. J.
 Roselle Park, N. J.
 Red Ash, Va.
 New York, N. Y.
 Paterson, N. J.
 Wadsworth, O.
 Mt. Pleasant, Pa.
 Arlington, Mass.
 Logan, W. Va.
 Geneva, Ill.
 Pittsburgh, Pa.
 Youngstown, O.
 Greensboro, N. C.
 Omar, W. Va.
 Durham, N. C.
 Winterport, Me.
 Hamilton, O.
 Rocky Mount, N. C.
 Westmoreland Hills, Md.
 Albany, Ga.
 Scranton, Pa.
 Tarboro, N. C.
 Mt. Pleasant, Pa.
 Detroit, Mich.
 Goshen, Ind.
 Lititz, Pa.
 Wilmette, Ill.
 Jackson Heights, N. Y.
 Saginaw, Mich.
 Belmar, N. J.
 Rock, W. Va.
 Charlotte, N. C.
 Atlantic Highlands, N. J.
 Springfield, Ill.
 Wheeling, W. Va.
 Winston-Salem, N. C.
 Aurora, Ill.
 Spring Hill, Ala.
 Brooklyn, N. Y.
 Rocky Mount, N. C.
 Kenona, W. Va.
 Towson, Md.
 Harrisburg, Pa.
 Durham, N. C.
 Greenville, N. C.
 Ellicott City, Md.
 Washington, D. C.
 Spray, N. C.
 North Braddock, Pa.
 Detroit, Mich.
 Bloomsburg, Pa.
 Burgettstown, Pa.
 Johnsbury, N. Y.
 Summit, N. J.
 Snyder, N. Y.
 Miami, Fla.
 Clinton, N. C.
 Homestead, Fla.

- Tyer, William Boyd, Jr.
 *Ulrich, William Paul
 *Upham, Stephen Pierce, Jr.
 Utzenger, Robert Carlton
 Vannatta, Dwight Ray
 Varney, Norman Arthur
 Vaughan, Leonidas Clyde
 *Voehringer, John Lester
 *Wagner, Richard Warren
 Wakeling, Robert Willard
 *Walker, Andrew Gwin
 Walker, Howard George, Jr.
 Walker, Joe Henry
 *Walsh, William Madison
 Walter, James Elias
 Watkins, William Thurman, Jr.
 Watson, Neal Thomas
 Weber, William Donald
 Webster, George Hardy
 Webster, Wesley Gerald
 Wells, John Gay
 *West, George Warren
 *Wheeler, Howard James
 White, Hayes MacMurray
 Widmark, George Norman
 *Williams, David Vance Price
 *Willis, Julian Dewey
 Wilson, Edwin Mark, Jr.
 Wilson, Thomas Moser
 *Wilson, William Preston
 Withington, John Cummings
 Womble, Calder Willingham
 Wrenn, Frank Reese
 *Wright, Frank Irvin
 Young, Robert Douglas
 *Young, Thomas Rudolph
- Smithfield, N. C.
 Audubon, N. J.
 Mt. Vernon, O.
 Plainfield, N. J.
 Freemont, O.
 Boston, Mass.
 Greensboro, N. C.
 Greensboro, N. C.
 Huntingdon, Pa.
 Reading, Mass.
 Norfolk, Va.
 Westfield, N. J.
 Miami, Fla.
 Chevy Chase, Md.
 Delmar, N. Y.
 Newport News, Va.
 Fairfax, Va.
 Erie, Pa.
 Northfield, Vt.
 Andover, N. H.
 Baltimore, Md.
 Garden City, N. Y.
 Orlando, Fla.
 Raleigh, N. C.
 Verona, N. J.
 Woodleaf, N. C.
 Morehead City, N. C.
 Miami, Fla.
 Washington, D. C.
 Durham, N. C.
 Savannah, Ga.
 Winston-Salem, N. C.
 Anderson, S. C.
 Brooklyn, N. Y.
 Westfield, N. Y.
 Spartanburg, S. C.

JUNIOR CLASS

Asterisk indicates that the student does not have full class standing in hours or quality points.

- Ackerman, Robert Manton
 *Adams, Claude Alvis
 Alexander, Arthur Lee
 *Alexander, John Charles
 *Allen, James Clyde
 Anthoine, Robert
 Asch, Arthur Irving
 *Backer, Robert Martin
 Bailey, Johnson Levering
 Baker, Frank Warren
 Barringer, Paul Jehu, Jr.
 Beaulieu, Bernard Basil
 *Bell, Frank Lee
 Bell, John Louis
 Bell, Richard Parker
 Benson, Walter Russell
 Berini, Nello Richard
 Blanchard, Lawrence Eley, Jr.
 Blodget, Chester Elliott
- Bound Brook, N. J.
 Durham, N. C.
 Burlington, N. C.
 Durham, N. C.
 Tarentum, Pa.
 Portland, Me.
 Harrison, N. J.
 Winston-Salem, N. C.
 Canandaigua, N. Y.
 Washington Court House, O.
 Sanford, N. C.
 Whitman, Mass.
 Durham, N. C.
 Aurora, Ill.
 Lakewood, O.
 Tamaqua, Pa.
 Durham, N. C.
 Raleigh, N. C.
 Leominster, Mass.

- Bokinsky, George Edward, Jr.
 Booream, Charles VanLiew
 Bosca, Orsino Hugo
 *Bowman, Donald Allen
 Braswell, Thomas Edward
 Brian, Arthur Walter
 Brooks, William Armstead
 *Brown, Raymond Nicholas
 Brown, Stewart Gregory
 Brown, Werner Curt
 *Buffington, Donald Renard
 Burlingame, Alvah Waterman, III
 Byam, George Alan
 *Byrn, Chester Arthur, Jr.
 Caddy, James Anthony
 Cameron, William Charles
 Cassels, Louis Welborn
 Cates, Banks Raleigh, Jr.
 Caudill, Carrel Mayo
 *Chester, Charles Gaines
 Clamp, Jesse Carl
 *Clark, Robert Willard
 Clark, Word Compton
 Clarke, Harvey Bassett
 *Clayton, Samuel Charles Elford, Jr.
 *Clements, Russell Rodda
 *Cline, Guy Ellis, Jr.
 *Cobb, Roy Heber
 *Colley, John Coolidge
 Coppedge, James Young
 Covington, William Horace
 Cozart, William Charles
 Crawford, David Bennett, Jr.
 Creekmore, Edmund White
 *Creesy, William Martin
 *Cregg, Donald Joseph
 *Cregg, Hugh Anthony
 *Culp, Henry Wilburn
 Dalton, Arthur Markham
 Daniel, Edwin Jenkins
 Davis, William Whitfield
 Deal, Carl Hosea, Jr.
 DeLong, William Marsh
 DeWitt, John Phillips, Jr.
 Dick, Frederick William
 *Dikeman, Theron Lane
 *Dodson, William Warnick
 *Dolce, Robert Edgar
 Dolson, James Frederick
 Dozier, Riley Clarence, Jr.
 *Draper, Jess Orr
 Dratz, Henry Martin
 *Drumm, Corman Stogdell
 *Dubs, Charles William
 Dunn, Harvey Esterly
 Dunn, Theodore Charles
 Dwight, John Leverette
 East, George
 Eckhoff, Paul Sheppard
 Windber, Pa.
 Milltown, N. J.
 Springfield, O.
 Jamaica Estates, N. Y.
 Elm City, N. C.
 Salem, O.
 Dallas, Tex.
 Baltimore, Md.
 Louisville, Ky.
 Hagerstown, Md.
 Atlanta, Ga.
 Brooklyn, N. Y.
 Lowell, Mass.
 Mayfield, Ky.
 Johnstown, Pa.
 Worcester, Mass.
 Ellenton, S. C.
 Charlotte, N. C.
 Pearisburg, Va.
 Raleigh, N. C.
 Helena, Ark.
 Richmond Hills, N. Y.
 Concord, N. C.
 Palo Alto, Calif.
 Bayside, N. Y.
 Washington, D. C.
 Lincolnton, N. C.
 Hollis, N. Y.
 Reading, Mass.
 Cleveland Heights, O.
 Polkville, N. C.
 Raleigh, N. C.
 Charlotte, N. C.
 Norfolk, Va.
 Elsmere, N. Y.
 Methuen, Mass.
 Methuen, Mass.
 New London, N. C.
 Toledo, O.
 Durham, N. C.
 Lumberton, N. C.
 Salisbury, N. C.
 Reading, Pa.
 Wyoming, Pa.
 Meridian, Miss.
 Dunkirk, N. Y.
 Harrisburg, Pa.
 Flushing, N. Y.
 Franklin, Pa.
 South Mills, N. C.
 Saginaw, Mich.
 Lynbrook, N. Y.
 Wynnwood, Pa.
 Durham, N. C.
 Frederick, Md.
 Lyndhurst, N. J.
 Wayne, Pa.
 Raphine, Va.
 Palisades Park, N. J.

- Edens, Allen Cleveland, Jr.
 *Elder, William Howard
 *Elder, William Hubert, Jr.
 Evans, Thomas Nicholas
 Farley, James Edward, Jr.
 Featherston, William Preston
 *Feltz, Ralph Benton
 Fields, Paul Henry
 Fischer, Clifton Franklin
 Fischer, Herb Darcy
 Fisher, Walter Clark
 Fletcher, Thomas Petyon
 *Foreman, Robert Evans
 *Fraas, George William
 Frazier, Truett Hollis
 Freeman, Thomas Franklin
 Fritz, Wilton George
 Gardner, Russell Menese
 Gartner, Murray
 *George, Leonard Beattie, Jr.
 *Gill, Aubrey Winfree
 *Given, Waitman Camden, Jr.
 Glisson, Hiram Broadus, Jr.
 Gobbel, Walter Gothard
 Gould, David Foster
 Grant, Charles Allison
 Greenfield, Robert Edman
 Grimes, William Henry
 Gundlach, George Baker
 *Habbersett, Edgar Raymond
 Haddad, Joseph Lebanon
 Happ, Lee Morris, Jr.
 Harper, John Robert
 *Harrelson, Rose Cranse, Jr.
 *Harris, Jack
 Harris, James Allen
 *Hartzell, Jay Stanley, Jr.
 Haviland, Robert Smith
 *Heath, Lester John
 Heller, Morton Alvin
 *Henderson, Charles Tracy
 Henderson, Joseph Crawford
 *Herdic, Carl Wesley, Jr.
 Hickman, Edward Craig
 Higgins, Clarence Bertrand, Jr.
 Himadi, George Manley
 *Hippis, Hugh Pearson
 Hobbs, Robert Thomas
 Holt, Earl Pendleton, Jr.
 Holton, Samuel Melanchthon
 Honeycutt, James Furmon
 Hood, Thomas Ruffin
 Horn, Carl, Jr.
 *Houseman, French Leon
 Kirkpatrick-Howat, Yvone
 Hutson, James Jackson
 *Hymans, Edward Loomis
 Imbler, Robert Lee
 Irvin, Charles Warren, Jr.
 Maxton, N. C.
 Columbia, S. C.
 Durham, N. C.
 Batesville, Ark.
 Durham, N. C.
 Durham, N. C.
 Ashland, Ky.
 Jonesboro, N. C.
 Scranton, Pa.
 West Haven, Conn.
 Clinton, N. C.
 Paducah, Ky.
 Elizabeth City, N. C.
 Manhasset, N. Y.
 Asheboro, N. C.
 Montclair, N. J.
 Ridgewood, N. J.
 Rock Haven, Pa.
 Edgewood, R. I.
 Staten Island, N. Y.
 Petersburg, Va.
 Cleveland, O.
 Savannah, Ga.
 Suffolk, Va.
 Riverton, N. J.
 Anchorage, Ky.
 Decatur, Ill.
 Hopewell Junction, N. Y.
 Cincinnati, O.
 Media, Pa.
 Ansonia, Conn.
 Macon, Ga.
 Franklin, Pa.
 Tabor City, N. C.
 Lowell, N. C.
 Dayton, O.
 Oak Lane, Philadelphia, Pa.
 Brookfield, Conn.
 Albany, N. Y.
 Hewlett, L. I., N. Y.
 Durham, N. C.
 Norristown, Pa.
 Williamsport, Pa.
 Shreveport, La.
 Milton, Mass.
 Ridgewood, N. J.
 Greensboro, N. C.
 Durham, N. C.
 Oak Ridge, N. C.
 Durham, N. C.
 Clinton, N. C.
 Smithfield, N. C.
 Salisbury, N. C.
 Roanoke, Va.
 Baltimore, Md.
 Miami, Fla.
 Glen Rock, N. J.
 Tulsa, Okla.
 Columbia, S. C.

- Irwin, Warren Robert
 Jarrett, Lewis Franklin, Jr.
 *Jett, Charles Edward
 Johnson, Allan Linner
 Jones, Paxton Lane
 Jones, Sumner Prescott
 Kanter, Hulbert Jay
 *Karmazin, Michael Lawrence
 Katz, Joseph
 Kauffman, John Philip Derr
 Kelly, George Austin, II
 *Kemp, Albert York
 *Kendrick, William Addison
 Kenion, Alonzo Williams
 *Kimbrell, Robert Walker
 *Kindlund, Nelson
 *King, Thomas Boyd
 *Kirsch, Robert Joseph
 *Knight, John Arthur
 Knight, Richard Victor
 *Kohler, Ervin Winston, Jr.
 *Kough, William Henry
 Koza, Robert Wayne
 *Lach, Steve John
 Lawson, John Fuller
 Laybourne, Paul Curtis
 *Leone, Francis Joseph
 *Lewis, Clarence Lucian
 Liles, George Welch
 Lineberry, William Taylor
 Link, Harvey Jay
 *Lipscomb, James William
 *Livingston, Richard Mayer
 Lone, William E., Jr.
 *Love, Harold John
 *Lovell, William Figgatt
 Ludwig, William Morton
 Lurie, Sidney Eugene
 McAdams, Charles Rupert, Jr.
 McCahan, William Glenn
 *McClees, Cecil Carr
 McClure, John Niel
 McClure, Roy Donaldson, Jr.
 McDonough, Robert Walter
 McGough, Robert Bennett
 McMahon, John Alexander
 McNulty, Frank Bacon, Jr.
 Maddox, Charles Oscar
 Maddox, Dan Wheeler
 *Madsen, Richard Laurids
 Maloney, John Gregory
 *Maltby, Douglas Robinson
 *Manget, Fred Daniel
 Marks, Edgar Seymour
 Marshall, Robert Pickens
 Marshall, Roger Lee
 *Martin, Sherwood Earl
 Matthews, Walter Sidney
 Maxwell, Edward Wesley
 McKees Rocks, Pa.
 Albany, N. Y.
 Elizabethton, Tenn.
 Minneapolis, Minn.
 Youngstown, O.
 Swarthmore, Pa.
 Newark, N. J.
 Irwin, Pa.
 Brooklyn, N. Y.
 Charlottte, N. C.
 Birmingham, Ala.
 Syracuse, N. Y.
 Saginaw, Mich.
 Hillsboro, N. C.
 Charlotte, N. C.
 Scituate, Mass.
 Benton, Ky.
 Oak Park, Ill.
 Bamberg, S. C.
 Tampa, Fla.
 Yoe, Pa.
 New York, N. Y.
 Cuyahoga Falls, O.
 Altoona, Pa.
 Erwin, Tenn.
 Cuyahoga Falls, O.
 Albany, N. Y.
 Clinton, N. C.
 Charlotte, N. C.
 Colerain, N. C.
 Scranton, Pa.
 Hinton, W. Va.
 Chicago, Ill.
 Arlington, N. J.
 Jamestown, N. Y.
 Raleigh, N. C.
 Chillicothe, O.
 Springfield, Mo.
 Belmont, N. C.
 Dover, Del.
 Durham, N. C.
 Palmetto, Fla.
 Detroit, Mich.
 West Orange, N. J.
 Towson, Md.
 St. Petersburg, Fla.
 Pittsburgh, Pa.
 Winder, Ga.
 Thomasville, N. C.
 Hastings-on-Hudson, N. Y.
 Deal, N. J.
 Wallingford, Conn.
 Atlanta, Ga.
 Greensboro, N. C.
 Brighton, Mass.
 Winston-Salem, N. C.
 Kittanning, Pa.
 Danville, Va.
 Comus, Md.

- Maxwell, Silas James
 *Mayo, Louis Allen
 Meara, Andrew James
 Melko, John Francis, Jr.
 Melton, Wilburn Fruit, Jr.
 Merrill, Donald Candee
 Mettam, John Wilson
 Meyerson, Gerald Leo
 *Mickelberry, William Crowder
 *Miller, Arthur Bernard
 *Miller, Robert Barclay, Jr.
 Miller, Vernor Charles
 Mitchell, Robert Edward
 *Mock, Clyde William
 *Montgomery, George Thomas
 *Mugele, Thomas Bernard
 Neaves, Frederick Edward
 Nesbitt, William Johnson
 Newsham, Richard Charles
 *Nichols, Ralph Sumner
 Nourse, John Darlington, Jr.
 *Nuckols, Ernest Benjamin
 Obenshain, Wiley Shackford, Jr.
 Ochsenreiter, Edward John
 *O'Neil, James William
 Palumbo, Leonard
 *Parker, Martin Leonard
 Pedersen, Walton Eugene
 *Peggs, Frederick MacDonald
 *Phelps, John Howard, Jr.
 *Phillips, Charles Wilbert
 *Piasecky, Alex
 Pittenger, Tress Ellsworth, Jr.
 Platt, Harold Eugene
 Pope, Warren House
 Price, Walter Eugene
 Primel, Paul Edward
 Prince, George Edward
 Profenius, Henry Charles
 *Prothro, James Thompson
 *Prout, Huston Meredith
 Puder, Robert Stuart
 Purcell, Eugene George, Jr.
 *Pye, Thomas Richard
 Raspberry, Joseph C., Jr.
 Rawlings, Rob Roy
 Read, Bayard Taylor
 *Rees, Roberts Moss
 Reisner, Leon, Jr.
 Rhobotham, Frank Blaine
 Richmond, Charles Kemper
 *Ritter, John Beatty, Jr.
 *Robertson, William Frye
 Rodgers, Billy Ansley
 Rohrbach, Clayton John, Jr.
 Ross, Robert Harlan
 Rouse, Robert Kelly
 Rowe, Charles Austin, Jr.
 Rudolph, Charles William
 Pink Hill, N. C.
 Greenville, N. C.
 Glen Rock, N. J.
 Perth Amboy, N. J.
 Dallas, Tex.
 Harrisburg, Pa.
 St. Clair, Pa.
 Charleston, S. C.
 Miami Beach, Fla.
 Bloomfield, N. J.
 Long Branch, N. J.
 Utica, Mich.
 Rock Island, Ill.
 Altoona, Pa.
 Washington, D. C.
 Mt. Lebanon, Pa.
 Long Branch, N. J.
 Shreveport, La.
 Audubon, N. J.
 Abington, Mass.
 Cleveland Heights, O.
 Cumberland, Va.
 Charlotte, N. C.
 Asheville, N. C.
 Bound Brook, N. J.
 East Orange, N. J.
 Brooklyn, N. Y.
 Durham, N. C.
 Princess Bay, L. I., N. Y.
 Hartford, Conn.
 Clairton, Pa.
 Jeannette, Pa.
 Akron, O.
 Malba, L. I., N. Y.
 Durham, N. C.
 Selma, N. C.
 Creeson, Pa.
 Dunn, N. C.
 Millville, N. J.
 Memphis, Tenn.
 Bexley, O.
 West Orange, N. J.
 Erwin, N. C.
 Saw, Me.
 Kinston, N. C.
 Hope Valley, R. I.
 Brookline, Mass.
 Akron, O.
 Long Branch, N. J.
 Evanston, Ill.
 St. Joseph, Mo.
 Mt. Lebanon, Pa.
 Driver, Va.
 Lakeland, Fla.
 Corning, N. Y.
 Helena, Ark.
 Lexington, Ky.
 Dallas, Tex.
 Tucson, Ariz.

- Rulon, David Bernard
 *Ryan, Thomas Stone
 Ryan, Thornton Atkinson
 *Safford, James Davis
 *Safford, Ted Russell
 San, James Matthew
 Sanderson, Robert Arthur
 *Sargent, Edward Albert
 Satterfield, James Ernest
 *Sauer, Richard Henry
 *Sayre, Richard Homer
 Schenkemeyer, William Lee
 Schooley, James Robert
 Scott, Harley Augustus, Jr.
 Scott, Richard Hendrickson
 Scott, Robert Thornton
 Sellers, Frank Edwin
 Senhauser, William Evans
 Shackelford, Walter Eugene
 Shivers, Joseph Clois
 Shubrick, Edmund Templar
 *Siegfried, Winston Thomas
 *Simpson, Joseph Bradford, Jr.
 *Simpson, Joe Glenn
 Slinn, Richard Quentin
 Smith, Allan Clifford
 *Smith, Charles Sweet, Jr.
 Smith, Gerald Norton
 Smith, William Bulkeley
 Smith, Willis, Jr.
 *Smitheal, Green William
 Snyder, John Prentiss
 Somerville, Donald Leonard
 Spence, James Harrison
 *Spencer, Richard Payne
 Spuhler, Raymond Henderson
 *Stanley, William Ezra, Jr.
 Stedman, William David
 Steel, Charles Leighton
 Stell, Franklin Howard
 *Stephens, Allan Wilbur
 *Stetler, Edwin Lohr
 Stevenson, Donald
 Stewart, Robert De Verter
 *Stonesifer, Edward Arthur, Jr.
 *Stow, James Henry
 *Surlas, Fred Achilles
 Sutherland, Frank Ellsworth
 Swenson, Ralph Martin, Jr.
 *Swiger, Kenneth Franklin
 Talton, Wade Turnage
 Taylor, Frank Walter
 Tenenbaum, Alfred Irwin
 Thomas, William Milton
 *Thompson, Paul Claytor
 *Thompson, William West
 Topham, John Marshall
 Tucker, John Wilson
 Tuke, Theodore Robert
 Phoenixville, Pa.
 Trenton, N. J.
 Greenville, N. C.
 Clyde, N. C.
 Clyde, N. C.
 St. Petersburg, Fla.
 Aurora, Ill.
 Arlington, N. J.
 Durham, N. C.
 Upper Darbv. Pa.
 River Forest, Ill.
 Johnstown, Pa.
 Wyoming, Pa.
 Kannapolis, N. C.
 Norfolk, Va.
 Richmond, Va.
 Norfolk, Va.
 Zanesville, O.
 Durham, N. C.
 Riverton, N. J.
 St. Petersburg, Fla.
 Richmond, Va.
 Charlotte, N. C.
 Winston-Salem, N. C.
 Spring Valley, N. Y.
 West Hartford, Conn.
 Cocoa, Fla.
 Elmira, N. Y.
 East Orange, N. J.
 Raleigh, N. C.
 Dyersburg, Tenn.
 Churchville, N. Y.
 Cumberland, Md.
 Cleveland Heights, O.
 Raleigh, N. C.
 Johnstown, Pa.
 Durham, N. C.
 Asheboro, N. C.
 West Englewood, N. J.
 Old Forge, N. Y.
 Westfield, N. J.
 Harrisburg, Pa.
 Meriden, Conn.
 Hershey, Pa.
 Baltimore, Md.
 Durham, N. C.
 Mt. Vernon, O.
 Staten Island, N. Y.
 Meriden, Conn.
 Martins Ferry, O.
 Smithfield, N. C.
 Morristown, Tenn.
 South Amboy, N. J.
 Scranton, Pa.
 Reidsville, N. C.
 Hallsboro, N. C.
 Durham, N. C.
 Mt. Holly, N. C.
 Rochester, N. Y.

- *Vail, Ernest Denton, Jr.
 *Vick, Joe Pitts
 Vidal, Eugene Clark
 *Vogel, Sheldon Alfred
 Walker, Herbert William
 Walker, James Hunt
 *Wallace, Oliver Clare, Jr.
 *Warke, Henry James
 Warren, George Willis
 *Wartman, William Dorrance
 *Weaver, Robert Glenn
 Wellons, Clarence William, Jr.
 Welsh, Glenn Flournoy
 West, Joseph Warren
 Whitcomb, Wayne Phillip
 White, Zach Toms
 Whitesides, Paul Caldwell
 *Whittington, Arthur Donnell
 *Willets, Charles Augustus
 Williams, Charles Bray
 Wilson, Albert Henry
 Wilson, Henry Hall
 Wilson, Richard Moody
 *Wilson, Robert Addison
 Wolff, Robert Alfred
 *Woolley, John Russell, Jr.
 *Wright, Samuel Ernest
 *Zinn, Charles Andrew
- Middletown, N. Y.
 Greensboro, N. C.
 Spring Valley, N. Y.
 Brooklyn, N. Y.
 Woodhaven, N. Y.
 Raleigh, N. C.
 Washington, Pa.
 Atlantic City, N. J.
 Spring Hope, N. C.
 Charlotte, N. C.
 Terre Hill, Pa.
 Farmville, N. C.
 Shreveport, La.
 Owego, N. Y.
 Keene, N. H.
 Hertford, N. C.
 York, S. C.
 Durham, N. C.
 Flushing, N. Y.
 Shiloh, N. C.
 Winston-Salem, N. C.
 Monroe, N. C.
 Ridgewood, N. J.
 Shrewsbury, N. J.
 Woodmere, L. I., N. Y.
 W. Long Branch, N. J.
 Rocky Mount, N. C.
 Altoona, Pa.

SENIOR CLASS

Asterisk indicates that the student does not have full class standing in hours or quality points.

- *Alexander, Stewart Murray, Jr.
 *Anderson, Donald Frederick
 Ange, Hubert Milton
 Arrington, Charles Hammond, Jr.
 Atkins, Wade Winston
 Atwell, Robert James
 Babenzien, Robert Max
 Baetz, Wilfred George
 Baker, James Fairfowl
 Baldwin, Alan Thorrestrup
 *Barnett, Robert Pray
 Barnicoat, John Ellard
 Bastien, Ralph Henry
 Beatty, William Ernest
 Beckel, Samuel Somerville
 Beebe, James, Jr.
 Beightol, Guy Dixon
 Beller, Sidney
 Betty, Laban Tyson
 Bew, James William
 Bigham, George Faunce
 Bilane, Frank Joseph
 Blackwell, Richard T.
 *Blalock, George Franklin
 *Boehrer, Robert R.
 Boorman, Bruce Edward Warwick
 *Bortz, Kilmer
- Durham, N. C.
 Port Allegany, Pa.
 Jamesville, N. C.
 Rocky Mount, N. C.
 Greensboro, N. C.
 Chillicothe, O.
 Ridgewood, N. Y.
 Brightwaters, N. Y.
 Haddonfield, N. J.
 Wilmington, Del.
 Albany, Ga.
 Riverview, R. I.
 Grosse Pointe, Mich.
 Litchfield, Conn.
 Huntingdon, Pa.
 Lewes, Del.
 Cumberland, Md.
 Willimantic, Conn.
 Raleigh, N. C.
 Margate City, N. J.
 Carnegie, Pa.
 Irvington, N. J.
 Rockford, Ill.
 Dunn, N. C.
 Upper Darby, Pa.
 Rochester, N. Y.
 Washington, D. C.

Brenna, Joseph Dondiego
 *Brower, Edwin Neil
 Brown, Donald Ross
 Brown, Edward Martin
 Brown, Henry Clay
 Brown, Oscar Oswell
 Brown, Richard Rintoul
 Brownell, Robert William
 *Bruckner, Jack Lincoln
 Brust, Albert Adam
 Bunce, Edgar Fenn, Jr.
 *Bynum, Aaron Headen, Jr.
 *Byrd, Bacchus Bright
 *Calvin, Reginald Ross
 Caneschi, Mayo Louis
 Cann, Robert Nelson
 *Cantine, Robert Livingston
 Carr, Herbert
 Carson, Howard Francis
 Carswell, George Harrold
 Chaffin, James Claude
 Champion, Battle Wilson
 Chickering, William Alan
 Clark, Carleton Climer
 Clay, James Raymond, Jr.
 Clees, James Cameron
 *Cliff, Benjamin Archibald
 Collins, John Pope
 Collins, Melville Nathaniel
 Connor, Richard Grigsby
 Connelly, Thomas Francis
 Covington, James Carlwyn
 Cowdrick, Thomas William
 Crane, Robert Irwin
 *Cromartie, Richard Lemuel, Jr.
 Cruickshank, Harold William
 Cunningham, Henry Vernon
 Dacey, William John
 Dailey, Frank Walter
 Dalton, Raymond A.
 *Darnell, Leonard Johnson
 *Davis, Jasper David
 Davis, Penrose Moore, Jr.
 Davis, William Hersey, Jr.
 *DeLancey, Charles Edward
 De Laney, Ernest Stanhope, Jr.
 deNeumann, Arthur Ferdinand
 deQuevedo, Rafael Garcia
 Diller, Fred Eugene
 Donnell, Edward Sebek
 Dotter, Charles Theodore
 Dozier, John Marion
 Ducker, Andrew Leslie, Jr.
 Duckett, Howard Casey, Jr.
 Eastwood, Frederick Thomas
 *Edwards, Robert Dixon
 Eldridge, Wade Hampton
 Elliott, Frank Samuel
 Elliott, Joseph Alexander

Trenton, N. J.
 Hope Mills, N. C.
 Grosse Ile, Mich.
 Alexandria, La.
 Shamrock, Fla.
 Tampa, Fla.
 Sewickley, Pa.
 Washington, D. C.
 Jamaica, L. I., N. Y.
 Chillicothe, O.
 Glassboro, N. J.
 Rock Hill, S. C.
 Marion, N. C.
 Hickman, Ky.
 Meriden, Conn.
 Cambridge, Mass.
 Woodstock, N. Y.
 Newfane, N. Y.
 Charleroi, Pa.
 Bainbridge, Ga.
 Sanford, N. C.
 Clayton, N. C.
 Chicago, Ill.
 Middletown, O.
 Elizabeth, N. J.
 Montoursville, Pa.
 Hendersonville, N. C.
 Blackfoot, Idaho
 Meridian, Miss.
 Rutherford, N. J.
 Altoona, Pa.
 Charlotte, N. C.
 Philadelphia, Pa.
 Miami, Fla.
 Garland, N. C.
 Freeport, N. Y.
 Durham, N. C.
 Meriden, Conn.
 Dunkirk, N. Y.
 Durham, N. C.
 Winston-Salem, N. C.
 Wilson, N. C.
 Downingtown, Pa.
 Louisville, Ky.
 Upper Darby, Pa.
 Charlotte, N. C.
 Daytona Beach, Fla.
 Chevy Chase, Md.
 McComb, O.
 Cleveland Heights, O.
 Freeport, N. Y.
 Rocky Mount, N. C.
 Charlotte, N. C.
 Durham, N. C.
 Burlington, N. J.
 Graham, N. C.
 Mt. Airy, N. C.
 Millvale, Pa.
 Charlotte, N. C.

- Erickson, Charles Winthrop
 Everett, Lawrence Shaw
 *Fergusson, William Willems
 Fike, Claude Edwin
 Fike, Edward Lake
 Files, Richard Webster
 Ford, James Arthur, Jr.
 Foster, Lawrence Hubert
 Fowler, Preston Leroy
 *Fracher, Louis Hoyt
 *Fraley, Harry Howard
 *Fraser, James Graeme
 *Frederick, Lewis Samuel, Jr.
 French, John Martin
 French, Raymond John
 Fulp, William Marshall
 Fulton, Blair Fishburn
 Gackenbach, Jack Daniel
 *Gannon, Harry M.
 Gates, Warren James
 *Getman, Thomas Devroe
 *Geyer, Walter Pooley, Jr.
 Gobble, Fleetus Lee, Jr.
 *Gomer, Charles August
 Gottesman, Dan
 Gray, William Frederick
 Greathouse, Frank Lee, Jr.
 *Greene, Cecil Shirley, Jr.
 Greene, John Howard, Jr.
 Griffin, William Ray
 Gross, Paul Magnus, Jr.
 Guyn, Thomas Jack
 Hackney, Edward June
 Hadsell, Jess Lee
 Hancock, Robert Whitney
 Happ, Frank Morris
 Hardy, Jack Louis
 *Harriss, Meader Williams, Jr.
 *Hart, Errol Lee
 Hawkins, Louis Golson
 Heath, Bayard Emerson
 *Heisinger, Donald Ernest
 Henderson, Charles Jenkins
 *Herold, Paul Garmer
 *Hewitt, Robert Patrick
 Hollmeyer, Joseph G.
 *Holmes, Elwin Franklin
 Honaker, William Clayton
 Horton, William Sidney
 Howe, Robert Emmet
 Huntoon, Hugh Sutton
 Hutson, Albert Rawlings
 *Ilinsky, Charles Adelbert
 Jamieson, David Mills
 Jennings, Henry Berchette, Jr.
 *Jennings, Tom Bland
 Jessup, Julian Clyde
 *Johnston, Leon Mack
 *Jones, Barney Lee
 New Rochelle, N. Y.
 Laurinburg, N. C.
 Akron, O.
 Ahoskie, N. C.
 Ahoskie, N. C.
 East Orange, N. J.
 Orlando, Fla.
 Jenkintown, Pa.
 Durham, N. C.
 Detroit, Mich.
 Cherryville, N. C.
 Charlotte, N. C.
 Shelbyville, Ky.
 Washington, D. C.
 Bridgeport, Conn.
 Winston-Salem, N. C.
 Roanoke, Va.
 Wyoming, Pa.
 St. Albans, L. I., N. Y.
 Durham, N. C.
 Winnetka, Ill.
 Snyder, N. Y.
 Winston-Salem, N. C.
 New York, N. Y.
 Atlanta, Ga.
 Durham, N. C.
 Rocky Mount, N. C.
 Mt. Sterling, Ky.
 Slab Fork, W. Va.
 Asheville, N. C.
 Durham, N. C.
 San Francisco, Calif.
 Durham, N. C.
 Wheeling, W. Va.
 Garden City, N. Y.
 Macon, Ga.
 Goldsboro, N. C.
 Sanford, N. C.
 East Orange, N. J.
 Fort Deposit, Ala.
 Robinson, Ill.
 Stamford, Conn.
 Charlotte, N. C.
 Baltimore, Md.
 Knoxville, Tenn.
 Mountain Lakes, N. J.
 Dunn, N. C.
 Bluefield, W. Va.
 Raleigh, N. C.
 Cincinnati, O.
 Fairbury, Ill.
 Utica, N. Y.
 Rutland, Vt.
 Patchogue, N. Y.
 Lumberton, N. C.
 Durham, N. C.
 Hertford, N. C.
 Durham, N. C.
 Norfolk, Va.

- *Jones, George Tyree
- Jones, Paul Winthrop, Jr.
- *Joyner, Aquilla H., Jr.
- Katzenmeyer, Jack William
- Keagy, Charles William
- Keeler, Richard Ashmead
- *Keller, William Lordon
- Kelley, Walter McCoy
- Killian, Frank Edward
- *Kirkman, P. V., Jr.
- Klavan, Morris Solomon
- Koenig, Helmut Paul
- Kubek, Robert Bruce
- Ladd, Robert Dwinell
- Lamason, Robert Hopkins
- Lang, Cecil Yelverton
- Larson, Erwin Andrew
- Latham, James Farr
- Latimer, Collie Thomas, Jr.
- Lawrence, Stephen Reid
- Leitheiser, Karl Arthur
- Leland, Dexter Farnham
- *Lengyel, Stephen James
- Lester, Robert M., Jr.
- Lewis, Harold Boyd
- Lewis, Richard Edward
- *Leys, Robert
- Light, Frank Gristock
- Lineberger, Robert Henry
- Little, Brooks Bivens
- Little, Robert Dickson
- Long, Jesse Dobson, Jr.
- Long, Robert Fletcher
- *Lum, Hung Wah
- *Lyles, George Washington, Jr.
- McAfee, Wesley Taylor
- McCloud, Robert Olmsted
- McCormick, Robert John, II
- McDaniel, Arthur, Jr.
- McDermott, Raymond Lipscomb
- *McGhee, James Thomas
- MacGahan, John Alexander
- *MacLeod, Gordon Campbell
- Manry, Lawrence Edward
- *Marsh, James White
- Mees, Thomas Leo
- Megaw, Robert Neill Ellison
- Mellon, Robert
- Miles, Robert Lewis
- *Mitchell, Charles Maness
- Moise, Francis Marion, Jr.
- Monfort, Robert John
- Moore, Benson Rogers
- Moore, Robert Field
- Moore, Tom Murphy
- Morris, Joseph Snowden
- *Morris, Sebastian Napoleon
- Moyer, Robert Holden
- Mulligan, Aloysius Alphonsus
- Durham, N. C.
- Suffield, Conn.
- Morehead City, N. C.
- Lakewood, O.
- Altoona, Pa.
- Philadelphia, Pa.
- Bridgeport, Conn.
- Dublin, Ga.
- Beaver Falls, Pa.
- High Point, N. C.
- Durham, N. C.
- Staten Island, N. Y.
- Cleveland Heights, O.
- Greenfield, Mass.
- Williamsport, Pa.
- Walstonburg, N. C.
- Emporium, Pa.
- Wadesboro, N. C.
- Dunn, N. C.
- Brooklyn, N. Y.
- Belleair, Fla.
- Hamilton, N. Y.
- Naugatuck, Conn.
- New York, N. Y.
- Asbury Park, N. J.
- Lakewood, O.
- Freeport, N. Y.
- Newtonville, Mass.
- Lincolnton, N. C.
- Durham, N. C.
- Raleigh, N. C.
- Winston-Salem, N. C.
- Baltimore, Md.
- Honolulu, Hawaii
- Thomasville, N. C.
- Ironton, O.
- Kenilworth, Ill.
- Wilmington, Del.
- Forest City, N. C.
- Durham, N. C.
- Durham, N. C.
- Orange, N. J.
- Buffalo, N. Y.
- Edison, Ga.
- Monroe, N. C.
- Washington, D. C.
- New York, N. Y.
- Durham, N. C.
- Danville, Va.
- Buie's Creek, N. C.
- Sumter, S. C.
- Queen's Village, N. Y.
- East Gardner, Mass.
- Trenton, N. J.
- Louisville, Ky.
- Belmont, Mass.
- Jasper, Ala.
- Harrisburg, Pa.
- Harrison, N. J.

- Murdick, Robert Gordon
 Myers, Hugh Kennedy
 Nakayama, Yukio
 *Nania, John Battista
 Nelson, Robert Lewis
 Newman, Harold Hastings, Jr.
 Newton, Carl Davidson
 Nickel, Harry William
 Norton, George Worthington
 Odell, Robert Harris
 Olive, John Worth
 Owen, Judson Lewis, Jr.
 *Page, William Joseph
 Parke, Donald Wright
 Paschal, Paul Shorey
 Patterson, Charles Junior
 *Pepper, James Arthur, Jr.
 *Perkins, Rex Beach
 Perkins, William Hale
 *Perry, Tom
 Peterson, Douglas Fayette
 *Pierce, Carl Preston
 Pike, Robert Edgar
 *Porter, Joseph Edward
 *Price, Glenn Frederick
 Prillaman, David Crockett
 Rankin, Douglas Rohrer
 Rapoport, Herman Leonard
 Rencken, Donald Robert
 Rhyne, Robert Smith
 *Rickerby, Arthur Burroughs
 *Risedorf, Harry Myers
 Rowan, John William
 *Ruffa, Anthony McAllister
 Ryan, Denis
 Rynd, Laurence Noble
 Ryon, David Osmond
 Sadler, W. Thaddeus, Jr.
 Sanborn, Charles Francis
 Sattenspiel, Edward
 *Satterwhite, Randall Griffin
 Schwarz, Robert Leickel
 SeEVERS, Delmar Oswell
 *Shannehan, Donald Vincent
 *Sheals, Ralph Augustus, Jr.
 Shepard, Allen Samuel
 Shields, Sam Moyer
 Shlimbaum, Charles William
 *Shokes, Edward Christopher
 Silva, John Matheson
 Silverthorne, Clark Mervin
 Skinner, Charles Boyd
 Smart, Tom Davis
 *Smith, Frank Monroe, Jr.
 Smith, Harold Kenneth, Jr.
 Smith, Robert Percy, Jr.
 Snow, James Wilbur
 Sparks, Bayne Albert
 Albany, N. Y.
 Bethesda, Md.
 Tacoma, Wash.
 Middletown, N. Y.
 New Berlin, N. Y.
 Salisbury, N. C.
 San Antonio, Tex.
 Maplewood, N. J.
 Wheeling, W. Va.
 Concord, N. C.
 Durham, N. C.
 Miami Beach, Fla.
 Albemarle, N. C.
 Binghamton, N. Y.
 Wake Forest, N. C.
 Harrodsburg, Ky.
 Ingenio Jobabo, Oriente,
 Cuba
 New Egypt, N. J.
 New Egypt, N. J.
 Tampa, Fla.
 Winston-Salem, N. C.
 Greenville, N. C.
 Jenkintown, Pa.
 Durham, N. C.
 Beaver Falls, Pa.
 Southern Pines, N. C.
 Camp Hill, Pa.
 Portsmouth, Va.
 Jamaica, N. Y.
 Ridgewood, N. J.
 New York, N. Y.
 Winsted, Conn.
 Dansville, N. Y.
 Washington, Pa.
 Greenville, S. C.
 Roxboro, N. C.
 Washington, D. C.
 Raleigh, N. C.
 East Orange, N. J.
 Jersey City, N. J.
 Rochester, N. Y.
 Catasauqua, Pa.
 St. John, Kan.
 Springfield, Mass.
 Arlington, Va.
 Palm Beach, Fla.
 Lewes, Del.
 Bay Shore, N. Y.
 Charleston, S. C.
 Hyannis, Mass.
 Scarsdale, N. Y.
 Hartsville, S. C.
 Fort Smith, Ark.
 Knoxville, Ga.
 Jacksonville, Fla.
 Portland, Ore.
 Rochester, N. Y.
 Washington, D. C.

- Stackhouse, Donald Scott
 Stanley, Horace Goodman
 Stata, Charles Melvin
 Stephens, Richard Lockwood
 *Stoeckel, John Rowland
 Stone, Zeb Judd
 *Sunas, Ernest Constantine
 Talcott, Jess Wingert
 *Tantum, Frank
 Taylor, Charles House
 Taylor, Joseph W., Jr.
 Taylor, Ralph Gordon
 Telep, John Nicholas, II
 Thomas, James Claiborne
 *Thompson, Arthur Blair
 Townsend, Bertram Fairley
 *Trakas, George Andrew
 *Turner, Robert Russell
 Tyler, John Anderson, Jr.
 *Underwood, J. Harry
 Valasek, Cyril John
 Vennema, John
 *Vogel, Robert Floyd
 *Vogel, Victor Leon
 *von Gal, Herbert Vreeland
 Wade, William Earl
 Wade, William Wallace, Jr.
 Waldron, Robert Ed
 Walker, Judith Clement
 Wallace, Scott
 Ward, Peter
 Wascher, Howard Charles
 Wedow, Sheridan Holly
 Weit, Leon Forrest
 Welton, William D., Jr.
 Wentz, Henry Stauffer
 Wetmore, Robert Jackson
 Whitesides, William Carl
 Whitman, Stanley Finch
 Widgery, Rolande Carpenter
 Williams, Bailey Needham
 Williams, Denzyl Irving
 Willmott, James Ian
 Wilson, Earl Way
 *Wilson, Penrhyn
 Winkin, John Worde
 Winterson, Alexander Frederick
 Woolner, Edward Sigmund, Jr.
 *Workman, Henry Dodge
 Worrill, Edmund Hood
 Wotrubez, Robert
 Yarborough, John Archibald
 Yount, Marvin Edward
 *Zabriskie, George
 *Zbikowski, Francis William
 Easton, Pa.
 Durham, N. C.
 Needham Heights, Mass
 Wilmington, Del.
 Georgetown, Del.
 Durham, N. C.
 Durham, N. C.
 Joliet, Ill.
 Nutley, N. J.
 Legion, Tex.
 Tampa, Fla.
 Durham, N. C.
 Garfield, N. J.
 Durham, N. C.
 York, Pa.
 Nutley, N. J.
 Gastonia, N. C.
 Butler, Pa.
 Wagner, S. C.
 Middlesex, N. Y.
 Ford City, Pa.
 Kenilworth, Ill.
 Hackettstown, N. J.
 Sterling, Kan.
 Brewster, N. Y.
 Dunn, N. C.
 Durham, N. C.
 Youngs, N. Y.
 Durham, N. C.
 Ocean City, Md.
 Grosse Ile, Mich.
 Englewood, N. J.
 Chicago, Ill.
 Ephrata, Pa.
 Pelham Manor, N. Y.
 Leola, Pa.
 Durham, N. C.
 York, S. C.
 Miami Beach, Fla.
 Durham, N. C.
 Shiloh, N. C.
 Berea, O.
 Greenwich, Conn.
 Durham, N. C.
 Charlotte, N. C.
 Englewood, N. J.
 Hempstead, L. I., N. Y.
 St. Petersburg, Fla.
 Pensacola, Fla.
 Leesburg, Fla.
 Port Chester, N. Y.
 Raleigh, N. C.
 Graham, N. C.
 Caldwell, N. J.
 Terryville, Conn.

THE WOMAN'S COLLEGE

FRESHMAN CLASS

Acher, Frances	Winter Park, Fla.
Adams, Marybelle	Skillman, N. J.
Aeugle, Margaretta Elizabeth	Philadelphia, Pa.
Alden, Jeannette Lorraine	Manchester, Conn.
Alexander, Margaret Elizabeth	Charlotte, N. C.
Allen, Elizabeth Jeanne	Wilmington, Del.
Allison, Mary LaRue	Charlotte, N. C.
Andrews, Helen Rebecca	Durham, N. C.
Atkinson, Anna Mae	Wadesboro, N. C.
Aveyard, Audrey Marie	Wilmette, Ill.
Baer, Johanna Christine	Bedford Hills, N. Y.
Bailey, Loui Lloyd	Richmond, Va.
Bankhardt, Mary Katherine	Fort Thomas, Ky.
Banks, Katherine McWilliams	Charlotte, N. C.
Barnwell, Ruth Marshall	Florence, S. C.
Barry, Ann Lenore	Durham, N. C.
Beattie, Catherine Taylor	Winchester, Va.
Bell, Inza Tomlinson	Wilson, N. C.
Bently, Nancy Joyce	Ravenna, O.
Blomberg, Mildred Jean	Durham, N. C.
Bloom, Shirley	Miami Beach, Fla.
Bonnabeau, Jeanne Adele	Westfield, N. J.
Brewer, Betty	Red Springs, N. C.
Broadhurst, Nancy Lee	Brooklyn, N. Y.
Brogden, Dorothy Lee	Durham, N. C.
Brooks, Helen	Bryson City, N. C.
Brooks, Virginia Ruth	Durham, N. C.
Brown, Caroline Jane	St. Augustine, Fla.
Brown, Mary Anne	Washington, D. C.
Bryan, Frances Ellen	Durham, N. C.
Bulloch, Martha Kyle	Roanoke, Va.
Bundy, Virginia Ann	Denver, Colo.
Bunker, Dorothy Koontz	Mount Airy, N. C.
Bunting, Helen Lindsay	Oxford, Pa.
Bunting, Sarah Ansley	Columbus, Ga.
Burchett, Mary Elizabeth	Suffolk, Va.
Calvert, Barbara Anne	Atlanta, Ga.
Campbell, Constance Gertrude	Habana, Cuba
Campbell, Judith Winn	Louisville, Ky.
Cline, Evelyn Frances	Durham, N. C.
Coggin, Mary Elizabeth	Raleigh, N. C.
Conaway, Ruth Beach	Pittsburgh, Pa.
Conor, Dolores Marie	Ridgefield, N. J.
Cotten, Annie Laura	Stem, N. C.
Coursen, Catherine Cissel	Baltimore, Md.
Cox, Bessie Alston	Columbus, Miss.
Crone, Elsie Mae	Detroit, Mich.
Crooks, Janet Louise	Trenton, N. J.
Cross, Alice Eloise	Wynnewood, Pa.
Crossan, Laura Marian	Wadsworth, O.
Crowder, Gloria Mae	Silver Springs, Md.
Crowder, Janice Meredith	Willis Wharf, Va.
Dameron, Lillian Sybil	Durham, N. C.
Darnall, Dorothy Anne	Washington, D. C.
Davis, Ann Minerva	Durham, N. C.
Davis, Annette	Washington, D. C.

Deal, Mildred Emmie	Jasper, Tex.
Dickson, Shirley Louise	Cottage City, Md.
Dilts, Elizabeth	Durham, N. C.
Distler, Jean Ann	Louisville, Ky.
Dodd, Lucy Jane	Beaumont, Tex.
Driscoll, Dale Marie	Montclair, N. J.
Dubs, Anne Louise	Durham, N. C.
Duke, Barbara Jeane	Decatur, Ind.
Dykes, Beverly Primrose	Bound Brook, N. J.
Elder, Geraldine	Durham, N. C.
Elmore, Margaret Seiga	Painter, Va.
Eppstein, Phyllis Sanley	Toledo, O.
Erwin, Nancy Cranston	Bethlehem, Pa.
Etzel, Vivien	Little Neck, N. Y.
Firestone, Elizabeth	Lisbon, O.
Fountain, Annie Ruth	Tarboro, N. C.
Fowler, Betty	Tampa, Fla.
Frantz, Emilie Nofer	Kingston, Pa.
Freels, Mary Nelson	Miami, Fla.
Frizzelle, Jennie Brown	Durham, N. C.
Frost, Harriet Norma	Newport News, Va.
Fulk, Frances Houston	Spencer, N. C.
Gault, Helen Elizabeth	Sarasota, Fla.
Gilliam, Kathryn Margaret	Miami, Fla.
Ginder, Gladys Romaine	Montclair, N. J.
Goldberg, Jeanne Millicent	Bessemer City, N. C.
Goode, Georgellen	Statesville, N. C.
Gordon, Mary Lindsay	Lexington, N. C.
Gordon, Phyllis Anne	Winston-Salem, N. C.
Granberry, Betty Lindsey	Laurel, Miss.
Grant, Joy	North East, Md.
Gray, Peggy Jane	Indianapolis, Ind.
Gray, Virginia	Oyster Bay, N. Y.
Green, Mary Louise	Clearwater, Fla.
Grice, Margaret Ruth	Washington, D. C.
Hance, Audrey Beryl	Pittsburgh, Pa.
Harris, Sybil	Durham, N. C.
Hebble, Dorothy Angelene	Newport News, Va.
Helmich, Anne Shirley	Birmingham, Ala.
Herndon, Anne Watson	St. Augustine, Fla.
Hildreth, Lucille Elizabeth	Durham, N. C.
Hipson, Flora Cassandra	Stuart, Fla.
Hockfield, Marjorie Primakoff	Philadelphia, Pa.
Hodge, Mary Louise	Nashville, Tenn.
Holcombe, Beth	Charleston, W. Va.
Howell, Lotta Jeanne	Rock Hill, S. C.
Huemer, Frances Evelyn	Newark, N. J.
Hultberg, Marcia	Warren, Pa.
Isley, Judith Armistead	Hampton, Va.
Jansen, Phyllis Elaine	Fair Haven, N. J.
Jeschke, Barbara	Milwaukee, Wis.
Johnson, Carolyn Frances	Upton, Mass.
Johnson, Doris Inez	High Point, N. C.
Jolly, Ruth Aileen	Pittsburgh, Pa.
Jones, Margaret Beverly	Detroit, Mich.
Joyner, Virginia Claire	Manatee, Fla.
Kaufmann, Cathryn Marjory	Atlanta, Ga.
Kellogg, Elizabeth Churchill	New York, N. Y.
Ketchum, Mary Stuart	New Rochelle, N. Y.

- Kindlund, Jean
 King, Lora Eileen
 Kirby, Emmalee Elizabeth
 Koukol, Barbara Boyden
 Kriek, Louise Arizia
 Labs, Dorothy Elinor
 Lambert, Sarah Garner
 Lander, Barbara
 Lane, Ella Mae
 LaVine, Jean Alice
 Lawrence, Anna Frances
 Lawrence, Elizabeth Biddle
 Lemperly, Joan
 Lepper, Mary Ellen
 Lewis, Elizabeth Fielding
 London, Gwendolyn Evette
 Long, Margaret Elizabeth
 Lucke, Marjorie Esther
 Lukens, Margaret Tyson
 McCauley, Alice Merwin
 McCormick, Margaret Waller
 McDermott, Anna Jeanette
 McDowell, Margaret Louise
 McKee, Grace Terry
 McKisson, Nancy
 McLendon, Ida Gunn
 MacMillan, Cora Jane
 Maddox, Eleanor Jean
 Magnan, June McDonald
 Magoon, Katherine Louise
 Maidenbaum, Lilly
 Martin, Grace Evangeline
 Matheson, Rachel
 Matthews, Katherine Elizabeth
 Mattox, Doyne
 Medlicott, Elizabeth
 Mercer, Margaret Alice
 Merrick, Mary Louise
 Miller, Marjorie Lou
 Minner, Eunice Faye
 Moran, Janet Sheila
 Morang, Mae Valore
 Morris, Marian Florine
 Mott, Sara Louise
 Moulton, Ruth Floyd
 Mulligan, Helene Grace
 Murray, Mary Novella
 Narwold, Constance Jean
 Nason, Nancy Margaret
 Neel, Mary Louise
 Nichols, Zora Lois
 Norris, Mary Louise
 O'Briant, Mary Frances
 Osborne, Phyllis Marie
 Park, Jane Gatewood
 Parker, Kathryn White
 Pate, Marie Fiquet
 Pelletier, Nancy Jane
 Price, Carolyn Louise
 Scituate, Mass.
 Morrisville, Pa.
 Greensboro, N. C.
 Ridgewood, N. J.
 Enka, N. C.
 Pitman, N. J.
 Rocky Mount, N. C.
 Lincolnton, N. C.
 Rocky Mount, N. C.
 Stillwater, Minn.
 Durham, N. C.
 Swedesboro, N. J.
 Rocky River, O.
 Hastings-on-Hudson, N. Y.
 Miami Beach, Fla.
 Belmont, N. C.
 Baltimore, Md.
 Toledo, O.
 Atlanta, Ga.
 Greensburg, Pa.
 Miami, Fla.
 Alexandria, Va.
 Columbus, O.
 Meadville, Pa.
 Winnetka, Ill.
 St. Augustine, Fla.
 Wilmington, N. C.
 Fort Bragg, N. C.
 Esopus, N. Y.
 Habana, Cuba
 Hewlett, L. I., N. Y.
 Wyomissing, Pa.
 Durham, N. C.
 Durham, N. C.
 Terre Haute, Ind.
 Indianapolis, Ind.
 East Orange, N. J.
 Glen Rock, Pa.
 Toledo, O.
 Catasauqua, Pa.
 Chevy Chase, Md.
 Pembroke, Me.
 Atlantic, N. C.
 Gastonia, N. C.
 Mobile, Ala.
 Lakewood, O.
 Durham, N. C.
 Shaker Heights, O.
 Wilmington, Del.
 Thomasville, Ga.
 Homestead, Fla.
 Fairmont, W. Va.
 Durham, N. C.
 Washington, D. C.
 Leland, Miss.
 Durham, N. C.
 Laurinburg, N. C.
 Frostburg, Md.
 Fairfield, Conn.

Price, Jeanne
Rabel, Annale
Raine, Ruth Spence
Ranger, Mary
Rauschenberg, Georgia Andrews
Reynolds, Shirley Rae
Rodgers, Catherine Elizabeth
Rodgers, Mary Gus
Rollins, Betsy Keen
Salley, Antoinette Norwood
Samovitz, Zelda May
Sampson, June Evelyn
Sawilosky, Henrietta
Scheumann, Katherine Elizabeth
Schmidt, Jean Barbara
Scholes, Nancy Leigh
Seawell, Betty Jane
Seay, Ruth Doris
Selden, Vida
Semple, Margaret
Shive, Shirley Lane
Shore, Angelene Cam
Shuff, Phyllis Carolyn
Shumate, Camille Littleton
Smith, Ella Mae
Smith, Patricia
Smith, Sylvia Stewart
Smith, Wilma Verniece
Snyder, Beverly Bennett
Snyder, Dorothy Dair
Spangler, Nancy Catherine
Spann, Yvonne Marie
Spencer, Shirley Mary
Squire, Nancy Jean
Stackhouse, Dorothy Lucile
Stark, Marjorie Leigh
Stoeve, Phyllis Chase
Stout, Barbara
Stribling, Betty Rodway
Sultner, Janet Elizabeth
Swigert, Louise Ann
Tamarkin, Frances
Taylor, Ruby Lee
Thacker, Bernice Harvill
Thomas, Dorothy
Thomas, Margaret
Thresher, Joyce
Throp, Mary Caroline
Trudell, Evelyn Virginia
Turner, Gladys
Upshaw, Carolyn Elizabeth
VanDeventer, Beverly Elaine
Walcott, Marguerite
Walters, Natalie Grace
Ward, Charlotte Adalaide
Ward, Virginia Cranston
Warner, Betty Louise
Warren, Margaret Elizabeth
Warren, Mary Alice

Floral Park, N. Y.
New Martinsville, W. Va.
Thomasville, Ga.
Lynn, Mass.
Atlanta, Ga.
Gallatin, Tenn.
Shaker Heights, O.
Louisville, Ky.
Rocky Mount, N. C.
Asheville, N. C.
Poughkeepsie, N. Y.
Dayton, O.
Durham, N. C.
Washington, D. C.
Mountain Lakes, N. J.
Detroit, Mich.
Carthage, N. C.
Spencer, N. C.
Miami, Fla.
Wynnewood, Pa.
Belleville, Ill.
Boonville, N. C.
Greenville, N. C.
Atlanta, Ga.
Winston-Salem, N. C.
Newton, Mass.
Washington, Ill.
Durham, N. C.
Patchogue, N. Y.
Dover, O.
Princeton, W. Va.
Collingswood, N. J.
Hodge, La.
Detroit, Mich.
Washington, D. C.
Erie, Pa.
Chevy Chase, Md.
Quarry Heights, Canal Zone
Washington, D. C.
York, Pa.
Carlisle, Pa.
Youngstown, O.
Efland, N. C.
Disputanta, Va.
Clifton, N. J.
Waycross, Ga.
Miami Beach, Fla.
Wheeling, W. Va.
Pittsburgh, Pa.
Atlanta, Ga.
Savannah, Ga.
Corning, N. Y.
Alexandria, Va.
Summit, N. J.
New Bern, N. C.
Cleveland, O.
High Point, N. C.
Shaker Heights, O.
Canton, O.

Watkins, Bernetta Jean
 Watkins, Dorothy Jeanne
 Wearley, Dorothy Virginia
 Webb, Carol
 Wellnitz, Dorothy Ida
 Whitson, Edith Lorraine
 Wills, Janet
 Wilson, Aileen
 Wilson, Nell Martina
 Worthington, Virginia Irene
 Wrench, Leonor Vania
 Zerfass, Virginia Betty
 Zinner, Dora Kathrine

Polk, Pa.
 Zanesville, O.
 Perrysburg, O.
 Stamford, Conn.
 Norwalk, Conn.
 Briarcliff Manor, N. Y.
 Washington, Ga.
 Durham, N. C.
 Miami, Fla.
 Washington, D. C.
 Bahia, Brazil
 Dansville, N. Y.
 Wilmington, Del.

SOPHOMORE CLASS

Addicks, Margaret Frances
 Albright, Doris Anne
 Ambrose, Marilyn
 Andrews, Mary Van Cleve
 Armstrong, Mary Elizabeth
 Baca, Antoinette
 Bachman, Gloria Roderick
 Baker, Betty
 Balloch, Anne
 Barber, Marjorie
 Bass, Mary Josephine
 Bassett, Carol Sebring
 Baylin, Muriel
 Beaver, Pauline
 Bedsworth, Mary Catherine
 Bendall, Amanda Lee
 Bishop, Betty May
 Blair, Kitty Gordon
 Blake, Persis
 Blend, Loraine
 Blume, Shirley
 Bobb, Jane Emilie
 Bobbitt, Virginia Claire
 Bock, Ann Marie
 Booe, Alice
 Bowly, Susan Jane
 Bowne, Henrietta
 Bracken, Audrey Olive
 Brinson, Helen Slade
 Brower, Blanna
 Brown, Sally Logan
 Bulluck, Maude Southerland
 Bussell, Margaret Rose
 Callender, Gladys Catherine
 Campbell, Eleanor Anne
 Chapman, Helen Elizabeth
 Chesson, Mary Jane
 Clark, Frances Eleanor
 Cochran, Jane
 Cole, Elizabeth Deane
 Cole, Sarah Camille
 Collier, Marjorie
 Collins, Mary Jane
 Cook, Adrienne

Westfield, N. J.
 Westfield, N. J.
 Westfield, N. J.
 Rocky River, O.
 Philadelphia, Pa.
 Earlington, Ky.
 Catasauqua, Pa.
 Winnetka, Ill.
 Travelers Rest, S. C.
 Charlotte, N. C.
 Lumberton, Miss.
 Rockford, Ill.
 Baltimore, Md.
 Albemarle, N. C.
 Willis Wharf, Va.
 Valley Stream, N. Y.
 Chester, Conn.
 Hagerstown, Md.
 Bradenton, Fla.
 Chicago, Ill.
 Ft. Lauderdale, Fla.
 Columbus, O.
 Charleston, W. Va.
 White Plains, N. Y.
 Asheville, N. C.
 Glen Ridge, N. J.
 Washington, D. C.
 Pittsburgh, Pa.
 New Bern, N. C.
 Durham, N. C.
 Gainesville, Fla.
 Wilmington, N. C.
 Durham, N. C.
 Washington, D. C.
 Durham, N. C.
 Coral Gables, Fla.
 Durham, N. C.
 Washington, D. C.
 Cleveland Heights, O.
 Tulsa, Okla.
 Winston-Salem, N. C.
 Ormond Beach, Fla.
 Fort Bliss, Tex.
 New York, N. Y.

Cooper, Karleen Bettie
Craig, Kathryn
Crowell, Emily Sue
Currier, Virginia
Curry, Jane Caroline
Curtis, Kathleen
Davis, Ann McCarroll
Dell, Mary
deMerci, Betty Ann
Deming, Virginia
Dilworth, Muriel
Dugger, Mary Virginia
Duncan, Constance
Dunkelberger, Kathryn
Eagan, Julia Elizabeth
Eder, Marianne
Elberfeld, Helen Frances
Eller, Christine Ann
Ellithorp, Barbara Anne
Evans, Emma Lee
Fisher, Grace Helen
Flentye, Barbara
Fraser, Ruth Allison
Frehse, Beth Margaret
Fulton, Ruth
Goldsmith, Mary Frances
Goodbody, Virginia
Green, Jean Loretta
Green, Patricia
Griffin, Fay
Griffiths, Barbara
Grose, Ida Mary
Gunlefinger, Barbara Ann
Haley, Leonor Davison
Hall, Jane Elizabeth
Harper, Charity Anne Rebecca
Hayes, Patricia
Heath, Wilda
Hendrickson, Peggy Jane
Henninger, Henrietta
Herrmann, Elizabeth
Hicks, Jane Carol
Highsmith, Katherine
Holcomb, Martha
Hooper, Lois Cole
Hopkins, Sara Olmstead
Hough, Reba
Hughes, Donna Lentz
Hughes, Jean Carol
Hutchison, Betty Jenkins
Jackson, Helen Joan
Jarden, Barbara Elizabeth
Johnson, Elizabeth Ann
Johnson, Frances Busch
Johnson, Frances Norman
Johnson, Rebekah Ernestine
Jones, Barbara Ann
Jossman, Sally
Kerns, Nannie Lou
Laurel, Miss.
Asheville, N. C.
Lincolnton, N. C.
West Stewartstown, N. H.
Miami, Fla.
Jacksonville, Fla.
Louisville, Ky.
Moultrie, Ga.
Tuxedo Park, N. Y.
Oyster Bay, N. Y.
Bloomfield, N. J.
Brodnax, Va.
Philadelphia, Pa.
Dixon, Ill.
Salisbury, N. C.
Forty Fort, Pa.
Pomeroy, O.
Fort Lauderdale, Fla.
Canajoharie, N. Y.
Martinsburg, W. Va.
Morehouse, Mo.
Aurora, Ill.
Ft. Belvoir, Va.
Ferndale, Mich.
Lakewood, O.
Newton, N. J.
New Rochelle, N. Y.
Grand Rapids, Mich.
Hillsboro, N. C.
Dothan, Ala.
Great Neck, N. Y.
Pittsburgh, Pa.
Youngstown, O.
Front Royal, Va.
Shaker Heights, O.
Habana, Cuba
Belleville, Ill.
Upper Montclair, N. J.
Darlington, S. C.
Allentown, Pa.
York, Pa.
Baltimore, Md.
Raleigh, N. C.
Birmingham, Ala.
Westwood, N. J.
Durham, N. C.
Williamsport, Pa.
Allentown, Pa.
East Stroudsburg, Pa.
Charlotte, N. C.
Alma, Mich.
Upper Darby, Pa.
Alexandria, Va.
Petersburg, Va.
Weldon, N. C.
Benson, N. C.
Warren, Mass.
Pontiac, Mich.
Durham, N. C.

Knight, Jean Dixon
Kolb, Ruth Ellen
Kuhlmann, Elizabeth
Lake, Carol
Lednum, Ethel Anna
Lee, Lillian Armfield
Lentz, Mary Gene
Lindsey, Anne Henderson
Loynd, Virginia Lee
Ludt, Sara Jane
McElroy, Mary Virginia
McGinley, Dorothy
McGranahan, Mabel Katherine
McNeill, Mary Barnes
McRae, Eleanor Andrews
Macalister, Mary
Mackall, Mary Evelyn
Magnuson, Helen
Mahony, Marian Elizabeth
Mann, Jean Carol
Mann, Naomi Aiken
Martin, Beulah Doris
Merritt, Zillah
Meyer, Mary Louise
Miller, Mary Alice
Mills, Catherine
Miner, Helen Louise
Mixson, Carolyn
Moore, Ann Curtis
Moore, Grace Dunley
Moray, Norma Helen
Morgan, Dorothy
Morrill, Julia Jane
Morrison, Anne
Mosler, Jacquelyn
Nassau, Emily Wilson
Neaves, Rosamond
Nichols, Shirley
Norton, Margaret Anne
Nowlin, Ann Pendleton
Oldfield, Elizabeth Jean
Patterson, Margaret
Peeler, Annie Laurie
Pipper, Joyce
Pitts, Marion
Pohl, Marian
Powe, Rosemary
Powers, Margaret
Price, Eva Louise
Prizer, Elizabeth
Purcell, Jean
Ramsey, Ruth Wearn
Rankin, Ellen
Raupagh, Catherine
Reichert, Mary Louise
Reycraft, Joan Marie
Richards, Martha Frances
Ridout, Bernice Conner
Roberts, Margaret Ann
Baltimore, Md.
Worcester, Mass.
Leonia, N. J.
Newark, N. J.
Sayville, N. Y.
Roanoke Rapids, N. C.
Durham, N. C.
Chattanooga, Tenn.
Greensburg, Pa.
Chevy Chase, Md.
Latrobe, Pa.
Merchantville, N. J.
Durham, N. C.
Maxton, N. C.
Fayetteville, N. C.
Wilmette, Ill.
Mackall, Md.
Stillwater, Minn.
Reynolda, N. C.
Washington, D. C.
Durham, N. C.
Malverne, N. Y.
Gainesville, Ga.
East Orange, N. J.
Winter Park, Fla.
River Forest, Ill.
Wilkinsburg, Pa.
Beaumont, Tex.
Louisville, Ky.
Pittsburgh, Pa.
New York, N. Y.
Providence, R. I.
Detroit, Mich.
New Brunswick, N. J.
Palm Beach, Fla.
Paoli, Pa.
Elkin, N. C.
Long Branch, N. J.
Philadelphia, Pa.
Elkhorn, W. Va.
River Forest, Ill.
Graceville, Fla.
Memphis, Tenn.
Moorestown, N. J.
Charlotte, N. C.
Wilmington, Del.
Delray Beach, Fla.
Wake Forest, N. C.
Ashland, Ky.
Mauch Chunk, Pa.
Round Hill, Va.
Charlotte, N. C.
Concord, N. C.
Grosse Pointe, Mich.
Miami, Fla.
East Cleveland, O.
Columbus, Ga.
Birmingham, Ala.
Bramwell, W. Va.

Roess, Ann Anderson	Jacksonville, Fla.
Rohrbach, Charlotte	Corning, N. Y.
Rooker, Gladys	Norlina, N. C.
Ross, Margaret Elaine	Newark, N. J.
Royal, Dorothy Ruth	Shelby, Mich.
Rudisill, Anna Jane	Hagerstown, Md.
Rutledge, Nina Frances	Durham, N. C.
Sancken, Nell	Augusta, Ga.
Saturday, Florence	Durham, N. C.
Schule, Alice Watkins	Washington, D. C.
Schulein, Dorothy	New York, N. Y.
Shackford, Elizabeth	Rock Hill, S. C.
Sheaffer, Marian	Camden, N. J.
Snyder, Annabelle	Slatington, Pa.
Spangler, Elisabeth Lee	Bound Brook, N. J.
Steel, Elizabeth	West Englewood, N. J.
Stephens, Joanne	Aurora, Ill.
Stowe, Margaret	Asheboro, N. C.
Sturtevant, Jean Margaret	Erie, Pa.
Sutton, Mary Alice	Tampico, Mexico
Sweet, Joan Adele	Binghamton, N. Y.
Tarply, Nancy Eleanor	Washington, D. C.
Taylor, Betty Pepper	Charlotte, N. C.
Thomas, Helen	Winston-Salem, N. C.
Thomas, Mary Ellen	Raeford, N. C.
Thompson, Elva Anne	Shelby, N. C.
Thompson, Helen	Durham, N. C.
Thomson, Margaret Jane	Crawley, La.
Tobias, Anne Joy	Atlanta, Ga.
Trumbauer, Marjorie	Cranford, N. J.
Turner, Mary Hall	Miami, Fla.
Vandegriff, Sara Anne	Atlanta, Ga.
Van Kleeck, Caroyl	Brooklyn, N. Y.
Varnes, Barbara	Wilmington, Del.
Watkins, Katheen	Durham, N. C.
Webster, Mary Stuart	Haddon Heights, N. J.
Webster, Sheena Mary	Westfield, N. J.
Wells, Jean Esther	Dormant, Pa.
Weston, Sara Elizabeth	Warren, O.
Westwood, Nina	St. Petersburg, Fla.
Wheatley, Elizabeth	Chestertown, Md.
Williams, Joanne	Kirkwood, Mo.
Williams, Rosalie	Max Meadows, Va.
Wood, Elizabeth Whitney	Savannah, N. Y.
Woodhull, Jean Clarke	Bethlehem, Pa.
Woods, Doris	Durham, N. C.
Woods, Peggy	Miami, Fla.
Woolley, Carolyn	Maplewood, N. J.
Wrenn, Nancy	Southern Pines, N. C.
Wyatt, Norma	Akron, O.
Young, Mary Elizabeth	Cuyahoga Falls, O.

JUNIOR CLASS

Algranti, Rosalie	Durham, N. C.
Baldwin, Anna Kate	Sussex, N. J.
Ballard, Jane	East Orange, N. J.
Bandy, Evelyn Boyer	Old Greenwich, Conn.
Barnhill, Rebecca	Rocky Mount, N. C.
Barrett, Sue	New Orleans, La.

- Baskin, Alma Dean
 Bates, Virginia
 Bell, Sara Elizabeth
 Bender, Sarah Joan
 Benson, Frances
 Benz, Loraine
 Bergen, Mildred
 Bernard, Alice
 Binder, Margaret
 Bishop, Dorothy Louise
 Booe, Sarah
 Breithaupt, Edna Mary
 Breth, Eleanor Anne
 Brown, Josephine Camilla
 Bruce, Frances Catherine
 Bruzgo, Florence
 Cameron, Barbara Jean
 Cantor, Deborah
 Carver, Nancy
 Champion, Katherine Muse
 Chandler, Delnora Lucille
 Chivers, Frances Elizabeth
 Clark, Elizabeth Virginia
 Clarke, Genedick Maxwell
 Clusman, Mildred
 Collins, Genevieve
 Colyer, Mary Ross
 Coma, Marie-Antoinette
 Conly, Marie Louise
 Connor, Virginia Anne
 Cook, Janice
 Corpening, Mary Watson
 Cosler, Barbara
 Cowles, Mary Elizabeth
 Craig, Frances Jane
 Davis, Eloise
 Davis, Marion Hilda
 DeMarco, Theresa
 Dennis, Ninette Crawford
 Deshon, Mary Abbie
 Donald, Margaret
 Dubs, Elizabeth Jean
 Dumestre, Helen May
 Dworsky, Sara Lee
 Earnhardt, Evelyn
 East, Mary Katherine
 Edwards, Frances
 Edwards, Mary Jane
 Edwards, Muriel
 Eggers, Hazel
 Elliott, Mary Virginia
 Emmerson, Laura
 Ermilio, Gloria
 Falls, Isabelle Rae
 Faucett, Naomi Rachel
 Fischer, Jean
 Forsberg, Margaret
 Gehres, Barbara Ann
 Gerlach, Mildred
 Selfridge Field, Mich.
 Philadelphia, Pa.
 Dillon, S. C.
 Akron, O.
 Elkin, N. C.
 Marengo, Ind.
 Wilmington, Del.
 Muncie, Ind.
 Leonia, N. J.
 Rutherford, N. J.
 Asheville, N. C.
 Phoenicia, N. Y.
 Chillicothe, O.
 Hempstead, N. Y.
 Durham, N. C.
 Summit Hill, Pa.
 Paoli, Pa.
 Patchogue, N. Y.
 Durham, N. C.
 Albany, Ga.
 Alcoa, Tenn.
 Baldwin, L. I., N. Y.
 Stamford, Conn.
 Fort Bragg, N. C.
 Baltimore, Md.
 Columbus, O.
 Maplewood, N. J.
 Philadelphia, Pa.
 Wilmington, N. C.
 Rutherford, N. J.
 Trenton, N. J.
 Granite Falls, N. C.
 Cleveland, O.
 Burlington, Vt.
 Richmond, Va.
 Roanoke, Va.
 Arlington, Va.
 Camden, N. J.
 Black Mountain, N. C.
 Mobile, Ala.
 Birmingham, Ala.
 Durham, N. C.
 Atlanta, Ga.
 Durham, N. C.
 Durham, N. C.
 Valley Stream, N. Y.
 Rye, N. Y.
 Lincolnton, N. C.
 Danville, Va.
 Newark, N. J.
 Lorain, O.
 Durham, N. C.
 York, Pa.
 Emsworth, Pa.
 Washington, D. C.
 Spring Lake, N. C.

Gift, Janet
 Goddard, Doris
 Goldberg, Harriett
 Haislip, Anne
 Hall, Elizabeth Ann
 Hall, Jean
 Hardin, Helen
 Harpster, Katherine
 Hatheway, Elizabeth
 Hodgson, Marjorie
 Hough, Elizabeth
 Hull, Sue Virginia
 Huntley, Jane Gordon
 Huston, Virginia
 Jackson, Marguerite
 Jarrell, Gertrude
 Johnson, Noel
 Jolley, Josephine Ruth
 Jones, Betty Ruth
 Jones, Helen Winifred
 Kamerer, Miriam
 Kearney, Vera Jean
 Keeler, Phoebe Forrestine
 Kent, Martha
 Kling, Catherine
 Kreider, Charlotte
 Lambert, Marcia
 Lark, Mae Van Vynckt
 Lassen, Marion Powers
 Lawrence, Lelia Annette
 Leitner, Carolina
 L'Engle, Mary Champlain
 Leonard, Elinor Jane
 Leonard, Nancy Curtis
 Lineberger, Nancy
 Ling, Vee-tsung
 Long, Elizabeth
 McClelland, Mary Carol
 McCreary, Jeanne
 McCreedy, Doris
 McKee, Betty Jane
 MacWilliams, Anne Louise
 Marshall, Barbara
 Marshall, Margaret Lee
 Marshall, Nellie
 Maxwell, Virginia
 May, Jacqueline
 Mellon, Beatrice
 Mitchell, Maurine
 Montgomery, Frances
 Murray, Janet
 Myers, Anna Jane
 Neagle, Sara Jane
 Nebel, Wilma Ruth
 Nobles, Jane
 O'Brien, Lucie Stokes
 O'Rourke, Ann Elisabeth
 Osborne, Sally
 Page, Irene Marshall

Altoona, Pa.
 Nyack, N. Y.
 Gastonia, N. C.
 Lumberport, W. Va.
 Durham, N. C.
 Erie, Pa.
 Evanston, Ill.
 Lakewood, O.
 West Hartford, Conn.
 Akron, O.
 Williamsport, Pa.
 Indianapolis, Ind.
 Fernandina, Fla.
 Bronxville, N. Y.
 Highland Park, Ill.
 Little Rock, Ark.
 Atlanta, Ga.
 Mexico, Mo.
 Cheltenham, Md.
 Washington, D. C.
 St. Petersburg, Fla.
 Snow Hill, N. C.
 West End, N. C.
 Shaker Heights, O.
 Grindstone, Pa.
 Elizabethtown, Pa.
 Hattiesburg, Miss.
 University, N. C.
 Flourtown, Pa.
 Durham, N. C.
 Boston, Mass.
 Jacksonville, Fla.
 Winona, Minn.
 Salisbury, N. C.
 Shelby, N. C.
 Hongkong, China
 Roxboro, N. C.
 Jacksonville, Fla.
 Valley Stream, N. Y.
 Hawthorne, N. J.
 Pittsburgh, Pa.
 Jacksonville, Fla.
 Milford, Del.
 Vinton, Va.
 Laurel Fork, Va.
 Comus, Md.
 Tampa, Fla.
 Durham, N. C.
 Marfa, Tex.
 Stratford, Conn.
 Eveleth, Minn.
 Toronto, O.
 Durham, N. C.
 Jacksonville, Fla.
 Pensacola, Fla.
 Durham, N. C.
 Dundalk, Md.
 Jacksonville, Fla.
 Aberdeen, N. C.

- Parker, Lurline
 Passmore, Virginia
 Paynter, Sybilla Jane
 Peach, Elizabeth
 Peluso, Mary Elsie
 Pessar, Dorothy
 Plansoen, Wilma
 Plyler, Helen Davidson
 Powell, Eleanor Sue
 Powell, Joyce
 Pyle, Frances
 Quinn, Margaret Howard
 Ramsey, Elizabeth
 Read, Patricia
 Rich, Elizabeth Anne
 Rick, Florence
 Rogers, Russell Anne
 Rowe, Dorothy Elizabeth
 Ruckel, Ramonde
 Salzman, Doris Elizabeth
 Schmidt, Audrey Deane
 Schmidt, Helen Jane
 Schureman, Alice
 Seafield, Marilyn
 Searight, Louise
 Self, Lura
 Seymour, Virginia
 Shaw, Elizabeth Mae
 Sherrill, Connor Marie
 Smith, Betty Jane
 Smith, Frances Bivins
 Smith, Margaret Shirley
 Smith, Mary Elizabeth
 Smither, Emily
 Steininger, Virginia
 Stewart, Margaret Craig
 Stivers, Dorothy
 Stoothoff, Marjorie
 Strone, Faye
 Stroupe, Doris
 Stryker, Elizabeth
 Swearingen, Jane Louise
 Swindell, Mary Moore
 Taylor, Elizabeth McCaw
 Thacker, Page
 Tinsley, Margaret Emma
 Towe, Sara Crawford
 Tucker, Elizabeth
 Turner, Laura Bennett
 Upchurch, Edith
 Upp, Marilyn
 vanDeinse, Hilda Fay
 Van Middlesworth, Mary
 Vaughan, Emily Jeffress
 Walker, Harriet
 Walls, Clara Margaret
 Wannamaker, Anne
 Warren, Shirley
 Waters, Sara Jane
 Rockingham, N. C.
 Nottingham, Pa.
 Salisbury, Md.
 Portsmouth, Va.
 Deal, N. J.
 New York, N. Y.
 Belleville, N. J.
 Greensboro, N. C.
 High Point, N. C.
 Rocky Mount, N. C.
 Grand Rapids, Mich.
 Allentown, Pa.
 Tulsa, Okla.
 Miami Beach, Fla.
 Stamford, Conn.
 Pittsburgh, Pa.
 Richmond, Va.
 Newark, N. J.
 Valpariso, Fla.
 Cleveland Heights, O.
 Mountain Lakes, N. J.
 Fort Bragg, N. C.
 New Brunswick, N. J.
 Ironton, Minn.
 Auburn, Ala.
 Raleigh, N. C.
 Coral Gables, Fla.
 Miami, Fla.
 Charlotte, N. C.
 Avon Lake, O.
 Farmville, N. C.
 Birmingham, Mich.
 Woodbridge, N. J.
 Winston-Salem, N. C.
 Wyomissing, Pa.
 Richmond, Va.
 Maplewood, N. J.
 East Williston, L. I., N. Y.
 Perth Amboy, N. J.
 High Point, N. C.
 Shaker Heights, O.
 Chicago, Ill.
 Durham, N. C.
 Winston-Salem, N. C.
 Disputanta, Va.
 Miami, Fla.
 Roanoke Rapids, N. C.
 Little Rock, Ark.
 Miami, Fla.
 Durham, N. C.
 River Forest, Ill.
 Orlando, Fla.
 Middlebush, N. J.
 Durham, N. C.
 Jacksonville, Fla.
 Georgetown, Del.
 Durham, N. C.
 Maplewood, N. J.
 Johnstown, Pa.

Weaver, Esther Charlotte
 Webb, Lucille Tawes
 Welch, Grace Woodward
 Whitney, Mary Louise
 Williams, Barbara Jeanne
 Williams, Eva Jean
 Williams, Gladys
 Wills, Virginia
 Wilson, Patricia

Rye, N. Y.
 Salisbury, Md.
 Valley Stream, L. I., N. Y.
 Washington, D. C.
 Larchmont, N. Y.
 Charlotte, N. C.
 Washington, D. C.
 Mount Holly, N. J.
 Lansdowne, Pa.

SENIOR CLASS

Abernethy, Mary Lura
 Adams, Mary Jane
 Alexander, Dorothy Ruth
 Alexander, Katherine Latham
 Angier, Harriet Duke
 Aylward, Dorothy Adelaide
 Baer, Marion Eleanor
 Bailey, Flora Inez
 Bailey, Jean Elizabeth
 Bailey, Josephine Gardner
 Baker, Babbette
 Ballard, Margaret Elizabeth
 Barnes, Margaret Elizabeth
 Becker, Dora Elizabeth
 Bennett, Cynthia
 Binder, Kathryn Louise
 Blackburn, Jane
 Brandt, Claire
 Braynard, Margaret Isabel
 Brent, Helen
 Brice, Margaret Rilza
 Buckle, Martha Louise
 Campbell, Virginia Alice Cumberland
 Cann, Joy
 Capehart, Elizabeth Hewlett
 Chase, Sarah
 Clinkscates, Mary Celeste
 Coburn, Helen Kerr
 Cole, Miriam Louise
 Conger, Dorothea Parsons
 Conine, Ruth Ballard
 Conners, Carol Ann
 Cordes, Shirley Louise
 Cottingham, Mary Emily
 Courtney, Margaret Duley
 Courtney, Mary Ivey
 Cozart, Anne Fleming
 Craig, Nancy Jane
 Crawford, Frances
 Crawford, Mary Elizabeth
 Creider, Betty May
 Crump, Charlotte Amelia
 Curry, Elise Duncan
 Dabney, Sarah Comer
 Dalton, Maye Elizabeth
 Davis, Marjorie Elizabeth
 Dawe, Mary Louise
 Dismer, Helen

Newton, N. C.
 Richmond, Va.
 Atlanta, Ga.
 Hollywood, Cal.
 Durham, N. C.
 Daytona Beach, Fla.
 Bedford Hills, N. Y.
 Sevierville, Tenn.
 Raleigh, N. C.
 Thomasville, Ga.
 Toledo, O.
 Willis Wharf, Va.
 Philadelphia, Pa.
 Washington, D. C.
 Richmond, Va.
 Leonia, N. J.
 Falls Church, Va.
 Norfolk, Va.
 Glen Cove, N. Y.
 Kilmarnock, Va.
 Vidalia, Ga.
 Binghamton, N. Y.
 Habana, Cuba
 Greensboro, N. C.
 Glen Head, L. I., N. Y.
 Miami Beach, Fla.
 Miami, Fla.
 Fort Bragg, N. C.
 Middletown, O.
 Staunton, Va.
 Stratford, Conn.
 Shaker Heights, O.
 Johnstown, Pa.
 Douglas, Ga.
 Winston-Salem, N. C.
 Charlotte, N. C.
 Durham, N. C.
 Crafton, Pa.
 Charlotte, N. C.
 Mineral Point, Wis.
 Scranton, Pa.
 Wallingford, Conn.
 Bethesda, Md.
 Birmingham, Ala.
 Durham, N. C.
 Durham, N. C.
 Richmond, Va.
 Silver Springs, Md.

Dodrill, Geraldine	Webster Springs, W. Va.
Donehoo, Lois	St. Petersburg, Fla.
Dow, Barbara Skinner	Birmingham, Ala.
Driscoll, Helen Barbara	Upper Montclair, N. J.
Duke, Mary Rebecca	Hattiesburg, Miss.
Eisen, Edith Lilyan	Brooklyn, N. Y.
Entrekin, Virginia	Belleville, N. J.
Epes, Marjorie	Kenmore, N. Y.
Epperson, Joan Marie	Durham, N. C.
Fagan, Barbara Campbell	Garden City, N. Y.
Farmer, Helen Jean	Bailey, N. C.
Ferguson, Pollyanne	Loveland, Colo.
Fleet, Lillian	Winter Haven, Fla.
Flippen, Gertrude Lee	Richmond, Va.
Flowers, Flewellyn	Thomasville, Ga.
Forlines, Martha Lane	Durham, N. C.
Freiler, Frances	Canton, Miss.
Fuller, Ardith Dodd	New York, N. Y.
Gantt, Kate Claywell	Durham, N. C.
Gardiner, Fredrica Elizabeth	Jacksonville, Fla.
Gary, Ethel Almira	Westfield, Mass.
Goodwin, Noma Lee	Durham, N. C.
Gottlieb, Helen Myra	Paulsboro, N. J.
Grace, Ann	Easton, Md.
Gray, Priscilla	Oyster Bay, N. Y.
Green, Betty	Coral Gables, Fla.
Gregory, Anna Elizabeth	Durham, N. C.
Griffin, Kathleen	Atlanta, Ga.
Griffiths, Mary Elizabeth	Great Neck, N. Y.
Gross, Jean Talbot	Elkins, W. Va.
Grunewald, Christine Dora	Washington, D. C.
Gundlach, Eleonora	Brooklyn, N. Y.
Hale, Mary Elizabeth	Baltimore, Md.
Hall, Alice Virginia	Erie, Pa.
Hanby, Mildred Scott	Wilmington, Del.
Harmon, Emma	Poplar Branch, N. C.
Harris, Kate Lee	Durham, N. C.
Harward, Lillian Mangum	Raleigh, N. C.
Haynes, Hazel Sterritt	Durham, N. C.
Hersey, Ann Randolph	Cleveland, O.
Hewitt, Trilby Gray	Forest City, N. C.
Hibbs, Jessie Persinger	Richmond, Va.
Hill, Lillian Lee	Plainfield, N. J.
Holder, Elizabeth	Memphis, Tenn.
Houston, Jane Hunt	Warren, Pa.
Huckle, Elizabeth Gillis	Rock Hill, S. C.
Hughes, Caroline Irene	Jacksonville, Fla.
Hull, Edyth	Cleveland Heights, O.
Jacobi, Wilma Jane	Washington, D. C.
Johnston, Bertha Emmalee	Jacksonville, Fla.
Kennedy, Virginia Elizabeth	Durham, N. C.
Kenner, Frances	New Rochelle, N. Y.
Kerr, Genevieve	Kansas City, Mo.
King, Lucile Curtis	Grosse Pointe, Mich.
Knight, Frances Bernice	Belton, S. C.
Krummel, Marjorie	Durham, N. C.
Kueffner, Rose	Durham, N. C.
Lambdin, Jean	St. Petersburg, Fla.
LaMont, Marjorie	Canton, O.

Lee, Lois
Lentz, Jacqueline
Link, Henry Etta
Linton, Jeanne Phyllis
Lynch, Katherine Harless
Lyon, Estelle Felts
McCann, Adriana
MacMillan, Grace
MacNutt, Jean Mary
Mack, Elizabeth Amanda
Maden, Ruby Kathlyn
Mapes, Elizabeth Blake
Mayhew, Adelaide
Megerle, Jean Margie
Mellor, Margaret
Mitchell, Cornelia
Morrison, Beatrice Mary
Mott, Glory Sims
Murray, Elizabeth Lee
Nabers, Dora Frances
Norwood, Marion
Omar, Nancy Jean
Osborne, Elizabeth Ann
Owen, Emily Hillyer
Owens, Jean Lusyl
Padmore, Phyllis
Pentz, Helen Eloise
Petty, Hilda Muriel
Phillips, Martha Jane
Phillips, Mary Joanna
Porterfield, Bettilu
Pregnall, Sarah McCanless
Prox, Dorothy Cecile
Ramsay, Mary Lee
Rateau, Carolyn Ann
Reeves, Anne
Rodenbough, Kathryn
Rogers, Rae Elizabeth
Rorabaugh, Helen Mary
Rubin, Doris Anne
Saville, Dorothy
Scarlett, Dora Page
Schofield, Victoria
Schrup, Ellen Lester
Seeley, Carolyn Ada
Sherman, Mary Irwin
Sherrill, Ellen Lewis
Shields, Janet Louise
Shipman, Mabel Irene
Shryock, Elizabeth Hall
Simpson, Margaret Lynch
Sink, Dorothy Estelle
Smith, Elizabeth Marie
Smith, Shirley Louise
Snipes, Elizabeth Blanks
Snyder, Eugenia
Sopp, Barbara
Southgate, Eleanor Fuller
Southwick, Bertha
Durham, N. C.
Ellerbe, N. C.
Lexington, N. C.
Philadelphia, Pa.
Evanston, Ill.
Durham, N. C.
Hopewell, Va.
Durham, N. C.
Ridgefield Park, N. J.
Durham, N. C.
Delaware City, Del.
Grand Rapids, Mich.
Miami, Fla.
Fort Thomas, Ky.
Downington, Pa.
Irvine, Ky.
Pittsburgh, Pa.
Jacksonville, Fla.
Selbyville, Del.
Durham, N. C.
Durham, N. C.
Bluefield, W. Va.
Jacksonville, Fla.
Anniston, Ala.
Petersburg, Va.
West Chester, Pa.
Winchester, Mass.
Lynch, Ky.
Wheeling, W. Va.
Wheeling, W. Va.
Canton, O.
South Boston, Va.
West Terre Haute, Ind.
Durham, N. C.
Ridgewood, N. J.
Washington, D. C.
Easton, Pa.
Washington, D. C.
Philadelphia, Pa.
Danville, Va.
Wilmington, Del.
Durham, N. C.
Akron, O.
Mt. Plymouth, Fla.
Durham, N. C.
Goldsboro, N. C.
Concord, N. C.
Montclair, N. J.
Hughesville, Pa.
Winchester, Va.
Winston-Salem, N. C.
Winston-Salem, N. C.
South River, N. J.
Arlington, Va.
Durham, N. C.
Patchogue, N. Y.
Red Bank, N. J.
Durham, N. C.
Lutherville, Md.

Spruill, Margaret
 Starnes, Margaret Evelyn
 Stiles, Caroline Brown
 Stockdale, Ruth Mary
 Stubbs, Sara Lily
 Swaren, Dixie Anna Mary
 Sweet, Virginia Lorraine
 Taylor, Amelia
 Thomas, Frances Cherry
 Tritle, Doris
 Umstead, Carolyn Manning
 Ustick, Jean Waldo
 Van Hagan, Louise Humphrey
 Wackerman, Betty
 Wagner, Carol June
 Wagner, Jane Christine
 Wagner, Margaret Elizabeth
 Wall, Martha Evelyn
 Wallin, Geraldine Tinsley
 Walter, Louise Chillson
 Walters, Helen Julia
 Ware, Betty Lee
 Warner, Eleanor Taylor
 Weidmann, Kathryn
 Weston, Sylvia
 Weyman, Jean
 Whyte, Mary Robertson
 Widmer, Frances Elizabeth
 Willis, Helen
 Wilson, Annie
 Wire, Margaret Jane
 Wischmeyer, Margaret
 Wolcott, Dorothy
 Wright, Marjorie Helen
 Young, Martha Anne

Lexington, N. C.
 Morganton, N. C.
 Washington, D. C.
 Pittsburgh, Pa.
 Hamlet, N. C.
 Brookeville, Md.
 Schenectady, N. Y.
 Morristown, Tenn.
 Durham, N. C.
 Erie, Pa.
 Durham, N. C.
 Buffalo, N. Y.
 Germantown, Pa.
 Durham, N. C.
 Belleville, Ill.
 Baltimore, Md.
 Flushing, N. Y.
 Toledo, O.
 Wilmington, Del.
 Philadelphia, Pa.
 Mount Holly, N. J.
 Asheville, N. C.
 Berwyn, Pa.
 Belleville, Ill.
 Hopewell, Va.
 Middletown, O.
 Pittsburgh, Pa.
 Aulander, N. C.
 Farmville, N. C.
 Lenoir, N. C.
 Mount Holly, N. J.
 Terre Haute, Ind.
 Riverton, N. J.
 Asheville, N. C.
 Durham, N. C.

SPECIAL STUDENTS

Adams, Erma Lee
 Bearss, Mildred
 Carow, Mary Green
 Connor, Henrietta Weaver
 Kirkland, Dorothy
 Lucas, Maude Lee
 McLean, Ruth
 McLeod, Ethel Ruth
 Miller, Ruby
 Murphy, Virginia
 Myers, Mary Elizabeth
 Parker, Mildred
 Parrish, Anna
 Pearce, Lucille
 Ruestow, Fides
 Stallcup, Marjorie
 Stewart, Geraldine
 Strayhorn, Louise
 Stringfield, Virginia
 Tremain, Mrs. M. A.
 Whitmore, Susanna
 Young, Muriel Rice

Durham, N. C.
 Tampa, Fla.
 Northside, N. C.
 Durham, N. C.
 Durham, N. C.
 Hillsboro, N. C.
 Durham, N. C.
 Chesterfield, S. C.
 Durham, N. C.
 Durham, N. C.
 Durham, N. C.
 Durham, N. C.
 Rougemont, N. C.
 Durham, N. C.
 Istanbul, Turkey
 St. Petersburg, Fla.
 Durham, N. C.
 Durham, N. C.
 Durham, N. C.
 Wakayama, Japan
 Durham, N. C.
 Durham, N. C.

COLLEGE OF ENGINEERING

FRESHMAN CLASS

Barry, Herbert Newton	New Rochelle, N. Y.
Bayer, Richard Clyde	Steubenville, O.
Beary, Franklin David	Lebanon, Pa.
Beatty, John Robert	Ridley Park, Pa.
Beer, George Nicholas	Rochester, N. Y.
Benson, Sidney Alexander	Marblehead, Mass.
Biordi, Rudolph Valentino	Ellwood City, Pa.
Black, William Mock	Durham, N. C.
Blanton, Sankey Lee	Wilmington, N. C.
Brilhart, Gladden Loats	Baltimore, Md.
Brown, Norman MacLeod	Sewickley, Pa.
Carlisle, Ben Howard, Jr.	Sandusky, O.
Carr, Charles Edward	Hollidays Cove, W. Va.
Carr, John Weber, III	Durham, N. C.
Chapman, Walter Hendley	East Orange, N. J.
Clark, Stephen Chester, Jr.	High Point, N. C.
Close, Louie Barnes	Wadsworth, O.
Coleman, Henry Morrison	Havana, Cuba
Conner, Edward Ernest	Jacksonville, Fla.
*Corrington, James Edward	Clinton, Ill.
Crotty, Edmund Francis	Charleston, S. C.
Dacewicz, Leonard Norbert	Baltimore, Md.
Davis, Thomas Edwin	Durham, N. C.
DeWitt, William Day	Charlotte, N. C.
Eastman, John R.	Bronxville, N. Y.
Ehrenfeld, William C.	Flemington, N. J.
Evans, Burt	Atlantic City, N. J.
Felton, Joseph Pat	Durham, N. C.
French, Charles Graves	Clintwood, Va.
Gile, Howard Lawrence	Stoneham, Mass.
Gilman, Robert Bartlett	Rahway, N. J.
Gray, William Emery	New Britain, Conn.
Groome, Bailey Troy	Charlotte, N. C.
Gugger, Gerald Robert	Endwell, N. Y.
Hatley, Marvin Thomas, Jr.	Albemarle, N. C.
Heath, William Walter	Margate, N. J.
Hill, Francis Ulyss	Durham, N. C.
Hogarth, Bruce Edward	Cheshire, Conn.
Hones, Edward Wheeler	Roscoe, N. Y.
House, William Redoy	Durham, N. C.
Howe, Theodore Tyler	Durham, N. C.
Huckabee, William Bowling	Durham, N. C.
Jamieson, William Harry	Patchogue, N. Y.
Johnson, Martin Henry	Warren, Pa.
Jones, Edwin Lee, Jr.	Charlotte, N. C.
Karl, William Wainwright	North Tarrytown, N. Y.
Lanham, Charles Warren, Jr.	Baltimore, Md.
Lindeberg, Kermit Richard	Swissvale, Pa.
Lory, Tyler Jack	Merrick, N. Y.
Love, Roderick Milnor, Jr.	Durham, N. C.
Lund, Charles Richard	Catonsville, Md.
Lyon, Joe Theodore	Durham, N. C.
McCann, John Joseph	Philadelphia, Pa.
McDermott, Robert Joseph	Brooklyn, N. Y.
McKeague, Robert Edmond	Petersburg, Va.

* Transferred to Trinity College, February, 1941.

Mapp, Charles Albert	Bellevue, Pa.
Martin, Vance Bacon	Hillsboro, N. C.
Metz, Carl Louis	Louisville, Ky.
Meuche, Charles Henry	Dayton, O.
Morrison, Edwin Orville	Arlington, Mass.
Mousmoules, John Andrew	Durham, N. C.
Myers, Joe Thomas	Kent, O.
Nelson, Richard Ellwood	Swissvale, Pa.
Newcomb, Robert Timberlake, Jr.	Raleigh, N. C.
Reamer, Richard Daniel	Franklin, Pa.
Roberts, Thomas Porter	Birmingham, Ala.
Sales, Thomas David	Phillipsburg, N. J.
Smith, Vigor Cranston	Wynnewood, Pa.
Speir, David Ordway	Southern Pines, N. C.
Suggs, Jacob Leroy	Durham, N. C.
Ticktin, Boyd L.	Oak Park, Ill.
Tilley, Clarence Ray	Durham, N. C.
Trump, Robert Fox	Chicago, Ill.
Waddell, John Buxton	Durham, N. C.
Waller, William Washington	Washington, D. C.
Whitlow, Leon Samuel	Durham, N. C.
Witschen, Bill Dietrich	Jacksonville, Fla.
Wood, Robert Remington	Richmond Hill, L. I., N. Y.

SOPHOMORE CLASS

Asterisk indicates that the student does not have full class standing in hours or quality points.

Acer, Charles Donald	Medina, N. Y.
*Armour, John	Oak Park, Ill.
Barrow, James Wilkinson	Blackstone, Va.
*Bateman, Robert Clark	Roanoke, Va.
*Boutelle, Lindsay Maynard	Delmar, N. Y.
Clark, Thomas Graham	Farmville, N. C.
Crofts, Frederick S.	Pittsford, N. Y.
Crooks, William Davison	Williamsport, Pa.
Dodson, Charles Wesley	Harrisburg, Pa.
Dorton, Robert Franklin, Jr.	Charlotte, N. C.
Dougherty, Richard Erwin	Evanston, Ill.
*Drury, Paul Oliver	Washington, D. C.
Edens, Carl Corprew, Jr.	Rowland, N. C.
Fenimore, Jack Gibb	Haddon Heights, N. J.
Gingher, Clair Harry, Jr.	Greensboro, N. C.
*Grant, Henry Meador	Andrews, S. C.
Gulledge, Sidney Loy, Jr.	Albemarle, N. C.
*Hamsch, David Ehrenhardt	Baltimore, Md.
*Hendee, Frank Ward	Burlington, Vt.
Hill, Charles Walter	La Grange, Ill.
*Hipp, Charles Rucker	Greensboro, N. C.
*Hottel, John Robert	Trenton, N. J.
*Kiely, Thomas Procter	Westfield, N. J.
Klienhenz, William Augustus	Baltimore, Md.
Laros, James Andrew, Jr.	Easton, Pa.
*Lee, William Frank	Charlotte, N. C.
Lynch, Richard James	Bloomfield, N. J.
McGregor, William Hackney	Albany, N. Y.
McKinney, Boyd Erwin	Dayton, O.
*McMaster, Spencer Rice, Jr.	Winnsboro, S. C.
*Marshall, William Charles	Mt. Vernon, N. J.
*Marsteller, Clair Jay	Sharon, Pa.

Messeberg, Gerald Charles	Queens Village, N. Y.
Miller, Thomas Dale, III	New Rochelle, N. Y.
Morgan, Ralph Pierpont, Jr.	Durham, N. C.
*Patterson, Alfred K.	Durham, N. C.
*Pierce, Lloyd Julian	Ahoskie, N. C.
*Ricketts, John Blaine, Jr.	Yeadon, Pa.
Rugo, Joseph Francis	Milton, Mass.
Schlerf, Donald Melvin	Baltimore, Md.
Sherertz, Paul Claiborne	Shanghai, China
*Smith, Frank Watson	Henderson, N. C.
*Sparrow, Richard Donald, Jr.	New Bern, N. C.
Stephens, Charles Theodore, Jr.	Bel Air, Md.
Tew, Gilbert Waddell	West Durham, N. C.
Topham, Keith Landes	Durham, N. C.
Tyson, William Steen	Trenton, N. J.
Wagner, Richard Fuller	Scranton, Pa.
Wall, Donald Schnepfe	Catonsville, Md.
*Walters, Whitford Frank	Burgaw, N. C.
Webb, Frederick Alfred	Westport, Conn.
Wetmore, William Hall, Jr.	Dormont, Pittsburgh, Pa.

JUNIOR CLASS

* Asterisk indicates that the student does not have full class standing in hours or quality points.

*Andrews, Herbert Gattis, Jr.	Durham, N. C.
Bargeon, Joseph Robert	Mt. Clemens, Mich.
*Bean, Robert Nelson	Arlington, Va.
Beeson, Donald Richard	Johnson City, Tenn.
Boutwell, Frederick Kent	Durham, N. C.
Brandon, Daniel Morris	Charlotte, N. C.
Cochran, Robert Lawrence	Rockmart, Ga.
Crane, Ernest George, Jr.	Trenton, N. J.
*Cummins, Gordon Wilson	Canonsburg, Pa.
Darling, Lawrence Whedon	Madison, Conn.
*Donahoe, Donald David	Detroit, Mich.
Droge, Arthur John	Woodhaven, N. Y.
Ervin, Fred Reid	Durham, N. C.
Everett, Robert Rivers	Niantic, Conn.
Fisher, James Lee, Jr.	Youngstown, O.
Fleming, Clifford Neal	Washington, D. C.
Foscue, Edward Shipman	Winnetka, Ill.
Galt, John Gillespie	Glenmore, Chester Co., Pa.
Goddard, John Ervin	Rocky Mount, N. C.
Gongwer, James Cornell	Tacoma, Wash.
*Green, Frederick Edward	Hillsboro, N. C.
Griffith, William Richard	Altoona, Pa.
Hege, Douglas Warwick	Winston-Salem, N. C.
*Johnson, Joseph Edwin	Branchville, N. J.
Johnson, Shirley A.	Philadelphia, Pa.
*Johnston, Ronald Alexander	Rochester, N. Y.
*Keith, Arvid Lee, Jr.	Durham, N. C.
*Korstian, Robert John	Durham, N. C.
Luchans, Warren Felps	Brooklyn, N. Y.
MacLachlan, William Malcolm, Jr.	Detroit, Mich.
Manchester, Frederic Hoover	Asheville, N. C.
Martin, James Watkins	Durham, N. C.
*Mercer, John Franklin	Pontiac, Mich.
Moffett, Howard Rogers	Greensboro, N. C.
*Murphy, John James	Canterbury, Conn.

Myers, Richard Tennyson
 Napier, James Edward, Jr.
 Neu, Edward Alfred, Jr.
 Olson, Thomas
 Poister, Paul Edwin
 *Rasmussen, George Welsh
 Rice, Ralph Estes, Jr.
 Roper, Jack
 Rose, Murray Fontaine
 *Sawyer, Jack Hodgins
 *Scott, William Lee, Jr.
 *Shea, James Andrew
 *Strickland, Wyatt Bailey
 Venable, Paul Carrington
 *Waldron, John Wood
 *Walker, Hamilton Torrey
 Wells, Richard Bulmer

Montclair, N. J.
 Durham, N. C.
 East Orange, N. J.
 Penns Grove, N. J.
 Beaver Falls, Pa.
 Roanoke, Va.
 Dyersburg, Tenn.
 Johnson City, Tenn.
 Durham, N. C.
 Virginia Beach, Va.
 Lexington, N. C.
 Great Neck, N. Y.
 Durham, N. C.
 Durham, N. C.
 Upper Montclair, N. J.
 West Collingswood, N. J.
 Wayne, Pa.

SENIOR CLASS

* Asterisk indicates that the student does not have full class standing in hours or quality points.

Alpert, Arthur Malcolm
 Andrews, Ralph John, Jr.
 Batten, John C., Jr.
 *Bradley, Charles Hunter, Jr.
 Bromage, John Stuart
 †Clous, David Arthur
 Creamer, Robert Hemphill
 Drew, William Donald
 Dunn, William Redfield, Jr.
 *Eddy, James Henry, Jr.
 *Hanson, Charles Walter
 *Harrington, Thomas Allen
 Hastings, George Julian
 Highsmith, James Lindsay
 Holley, Charles Henry
 Hunter, Charles William, Jr.
 Hunter, William Allen
 Jones, James Latimer
 Kelcec, George
 King, Carl Fish
 *Kister, Alfred Barbour, Jr.
 *Larson, Gilbert Arthur
 Lauppe, Carl, Jr.
 Lucas, Cecil Swain
 Molina, Alexander William
 *Munroe, Philip Reed
 Myers, Dale Clifford
 Olson, Vernon Arthur
 Parker, Charles Robin
 Patterson, Herbert George
 Pattinson, Hulme Holmes
 Perinovich, Robert Emil
 Phillips, Hugo Reed
 Price, Robert Clarke
 Robinson, Donald Lane
 Russell, Donald Clark
 Schoonover, Carleton Meredith

† Graduated, February, 1941.

Chicopee Falls, Mass.
 New Haven, Conn.
 Charlotte, N. C.
 Hagerstown, Md.
 Cranford, N. J.
 St. Albans, N. Y.
 Atlantic City, N. J.
 Kent, O.
 Croton-on-Hudson, N. Y.
 Elizabeth, N. J.
 Cleveland Heights, O.
 Ft. Lauderdale, Fla.
 Palisades Park, N. J.
 Durham, N. C.
 Ford City, Pa.
 Maplewood, N. J.
 Tavares, Fla.
 Gastonia, N. C.
 Ocean Grove, N. J.
 Benson, Vt.
 Beechwood Park, Pa.
 Emporium, Pa.
 Springfield, Mass.
 Durham, N. C.
 Camaguey, Cuba
 Braintree, Mass.
 Harrisburg, Pa.
 Wantagh, N. Y.
 Mantanzas Province, Cuba
 Akron, O.
 Chatham, Ontario, Canada
 Brooklyn, N. Y.
 New Orleans, La.
 Ocean City, N. J.
 Buffalo, N. Y.
 Chicago, Ill.
 Charlotte, N. C.

*Sheats, Harold Weldon, Jr.
 Sisk, Earl Hoke, Jr.
 Smith, Walter Gold
 Tuten, Bruce Ladson
 Vickers, Ronald
 *Werneke, Francis Henry
 Wilbur, Richard Snow
 Womble, Eric Eugene

Charlotte, N. C.
 Gastonia, N. C.
 Durham, N. C.
 Charlotte, N. C.
 Durham, N. C.
 Narrowsburg, N. Y.
 Durham, N. C.
 Durham, N. C.

SPECIAL STUDENTS

Aufhammer, Robert Deane
 DeLong, T. Stover
 Evans, Robert R.
 Goodwin, Otho C., Jr.
 Johntz, William F.
 Newsom, Ernest E.
 Nicholson, Sterling, Jr.
 Parrish, Auman
 Parrish, William
 Smedberg, William W.
 Troxell, Harry E., Jr.

Thorndale, Pa.
 Reading, Pa.
 Connellsville, Pa.
 Durham, N. C.
 Winston-Salem, N. C.
 Durham, N. C.
 Durham, N. C.
 Durham, N. C.
 Durham, N. C.
 Greensboro, N. C.
 Northumberland, Pa.

THE GRADUATE SCHOOL OF ARTS AND SCIENCES

ACADEMIC YEAR, 1940-41

Abbett, Carol Hope	Minneapolis, Minn.
A.B. (Macalester College), A.M. (University of Minnesota), History.	
Abramovitch, Benjamin	Montreal, Quebec, Canada
B.S. (McGill University), Chemistry.	
Aldridge, Alfred Owen	Buffalo, N. Y.
B.S. (Indiana University), A.M. (University of Georgia), English.	
Allen, Clark Lee	Durham, N. C.
A.B. (McKendree College), A.M. (Washington University), Economics, Political Science.	
Allen, Ruth Couch	Raleigh, N. C.
B.S., A.B. (Meredith College), A.M. (Duke University), English.	
Asan, Haydar Mustafa	Istanbul, Turkey
B.S. (Istanbul Lise Yeni), Botany.	
Auxier, Charles Carson	Superior, W. Va.
A.B. (Berea College), Economics.	
Ayres, Erle Bingham	Wollaston, Mass.
B.S., A.M. (Boston University), Chemistry.	
Babcock, Farrar Jeanne	Elk City, Okla.
A.B. (Duke University), Religion.	
Bachelder, Horace Lyman	North Attleboro, Mass.
A.B. (Washington and Lee University), History, Education.	
Badgley, Donald Mitchell	Chatham, N. J.
A.B. (Virginia Military Institute), History, Political Science.	
Barbot, Mary Elizabeth	Charleston, S. C.
A.B. (College of Charleston), English.	
Barnes, Jack Carlisle	Greensboro, N. C.
A.B. (Duke University), English.	
Barrett, Arnold Lankford	Social Circle, Ga.
A.B. (University of Georgia), Economics, Education.	
Barrs, William Kenneth	Durham, N. C.
A.B., B.D. (Duke University), Sociology, Religion.	

- Barton, Eleanor Phillips Greensboro, N. C.
A.B. (Woman's College of the University of North Carolina), A.M. (Columbia University), Zoology, Botany.
- Baxter, Joseph Ray Camp Dix, Ky.
A.B. (Berea College), History.
- Beck, Lloyd Henry Oberlin, Ohio
A.B., A.M. (Oberlin College), Psychology, Zoology, Education.
- Bell, Minnie Blanche Freedom, Pa.
B.S. (Geneva College), Education, History.
- Bennett, John Boyce Durham, N. C.
A.B. (Wofford College), B.D. (Duke University), Religion.
- Bissett, Nellie May Deep Valley, Pa.
B.S. (Waynesburg College), Education, Zoology.
- Blackmore, James Herrall Warsaw, N. C.
A.B. (Wake Forest College), Religion.
- Boger, Martha Magruder Durham, N. C.
B.S. (Woman's College of the University of North Carolina), Education.
- Boyer, Charles Chester Scottsville, N. Y.
B.S. (St. Bonaventure College), A.M. (Duke University), Zoology.
- Brach, Earl Tilton Durham, N. C.
A.B. (Duke University), Greek.
- Bradshaw, Catherine Pauline Kimball, S. D.
A.B. (College of St. Teresa), A.M. (University of Minnesota), Greek, Latin.
- Brandis, Royall Richmond, Va.
A.B. (University of Richmond), Economics.
- Brett, Lawrence Wilson, N. C.
A.B. (Duke University), Economics.
- Brice, Ashbel Green York, S. C.
A.B., A.M. (Columbia University), English.
- Bridgers, John Elbert, Jr. Greensboro, N. C.
A.B. (Duke University), A.M. (Harvard University), English.
- Bronson, Arthur Harold Brooklyn, N. Y.
B.S. (Syracuse University), Forestry, Botany, Zoology.
- Brooks, Clyde Spear, Jr. Pittsburgh, Pa.
B.S. (Duke University), Chemistry, Physics.
- Brothers, Joseph Grayson Wilmington, N. C.
A.B. (Duke University), Economics.
- Brothers, Wilbur Leo Clay City, Ind.
A.B. (Indiana State Teachers College), Education.
- Brown, Norman Ralph North Olmsted, Ohio
A.B. (Baldwin-Wallace College), Political Science, Economics.
- Brown, Walter Varian Lancaster, Mass.
A.B., M.S. (Brown University), Botany, Zoology.
- Bryan, William Alfred Sumter, S. C.
A.B. (College of Charleston), A.M. (Duke University), English.
- Buffington, Jean Williamstown, Mass.
A.B., A.M. (Mount Holyoke College), English.
- Bunting, Glenn Woodburn Durham, N. C.
B.S. (North Carolina State College), Education.
- Campbell, Carrie Belle Craig Durham, N. C.
A.B. (Duke University), Education.
- Campbell, Edgar Thomas Durham, N. C.
A.B. (University of North Carolina), A.M. (Columbia University), Education.
- Campbell, Philip Storer Portland, Maine
B.S. (Bowdoin College), English.

Campbell, Walter Hoodenpyl	Miami, Fla.
B.S. (Murfreesboro State Teachers College), Education.	
Canada, Mary Whitfield	Durham, N. C.
A.B. (Emory and Henry College), English.	
Carper, Doris Viola	Norfolk, Va.
B.S. (Farmville State Teachers College), A.M. (Duke University), Education, Psychology.	
Carter, Lawrence William	New York, N. Y.
B.S. (High Point College), Chemistry, Physics.	
Caskey, James Edward, Jr.	Lancaster, S. C.
B.S. (Furman University), A.M. (Duke University), Mathematics.	
Civin, Paul	Durham, N. C.
A.B. (University of Buffalo), A.M. (Duke University), Mathematics.	
Clark, Dorothy Hampson	Durham, N. C.
A.B. (Brown University), Psychology, Education.	
Cleaveland, Fred Neill	Gladstone, N. J.
A.B. (Duke University), History.	
Clees, James Cameron	Montoursville, Pa.
A.B. (Duke University), English.	
Cleveland, Leslie Joseph	International Falls, Minn.
A.B. (Carleton College), History.	
Cline, John	Durham, N. C.
A.B., A.M. (Duke University), English.	
Coble, Joseph Fillmore	Burlington, N. C.
A.B. (High Point College), Religion.	
Cogswell, Sumter Aldage	Chattanooga, Tenn.
B.S. (Duke University), Chemistry.	
Cohen, Samuel Abraham	Virginia Beach, Va.
A.B., A.M. (University of Richmond), English.	
Colley, Frank Harris	Washington, Ga.
A.B., A.M. (Duke University), History.	
Collis, Constance	Durham, N. C.
A.B. (University of North Carolina), Sociology.	
Cooke, Russell Yale, Jr.	Charlotte, N. C.
A.B. (Duke University), Economics, Political Science.	
Cottingham, William Thomas, Jr.	Douglas, Ga.
A.B. (Duke University), A.M. (Emory University), English, Sociology.	
Craghead, Frances Ann	Lynchburg, Va.
A.B. (Randolph-Macon Woman's College), Latin, Greek.	
Craven, Clyde Rober, Jr.	Charlotte, N. C.
A.B. (Duke University), English.	
Crumpacker, Bernice Helen	Durham, N. C.
A.B. (Duke University), Sociology.	
Cuyler, W. Kenneth	Austin, Texas
A.B. (University of Texas), A.M. (Western Reserve University), Physiology.	
Dale, William Pratt, II	Greensboro, Ala.
A.B., A.M. (Duke University), History.	
Davis, William Curtis Carroll	Baltimore, Md.
A.B. (Yale University), A.M. (Columbia University), English.	
Decker, John Peter	Ione, Wash.
B.S. (University of Idaho), A.M. (Duke University), Botany, Forestry.	
Derr, Paul Franklin	West Hazleton, Pa.
B.S., A.M. (Duke University), Chemistry.	
Desenberg, Bernard Norton	Pasadena, Calif.
A.B. (Stanford University), Sociology.	

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| Diamond, Stanley Stuart
A.B. (University of Wichita), A.M. (Haverford College), Political Science,
Economics. | Wichita, Kans. |
| Dibeler, Vernon Hamilton
B.S., A.M. (Duke University), Chemistry. | Roselle Park, N. J. |
| Dickson, Clifford Lyon
B.S. (Gallaudet College), Chemistry, Physics. | Durham, N. C. |
| Dillinger, George Edward
B.S. (Ursinus College), B.D. (Central Theological Seminary), Religion. | Burlington, N. C. |
| Doty, Thomas Smith
A.B. (Mississippi College), A.M. (Duke University), Education, History. | Lucedale, Miss. |
| Douglass, Ann Elizabeth
A.B. (Swarthmore College), Psychology, Education, Philosophy. | New London, Conn. |
| Dowling, Arthur Joseph, Jr.
A.B. (Duke University), English. | Savannah, Ga. |
| Downton, James Bertram
A.B. (University of Buffalo), Greek, Latin. | Buffalo, N. Y. |
| Drucker, Caroline Charlotte
(Gymnasium, Vienna, Austria, and Zurich, Switzerland), Sociology. | Chapel Hill, N. C. |
| DuBose, Samuel Wilds
A.B. (Davidson College), B.D. (Union Theological Seminary), Religion. | Hillsboro, N. C. |
| Dunn, Jane Frances
A.B. (College of William and Mary), Religion. | Alexandria, Va. |
| Dyas, Harold Eugene
B.S. (University of Wisconsin), Chemistry. | Butte, Mont. |
| Eager, Howard, Jr.
A.B. (Duke University), Psychology, Philosophy. | Ft. Sam Houston, Texas |
| Early, Benjamin Weisiger
A.B., A.M. (University of Virginia), English. | Richmond, Va. |
| Edelmann, Louise Lorraine
A.B. (New York University), English. | Mineola, N. Y. |
| Eicher, Chester Franklin
A.B., B.S. (Ohio State University), B.D. (Meadville Theological School), A.M.
(University of Chicago), Education. | Durham, N. C. |
| Eller, Meredith Freeman
A.B., S.T.B. (Boston University), Religion, History. | Mapleville, R. I. |
| Elliott, Flavel Scott
A.B. (Dartmouth College), A.M. (University of North Carolina), English. | Durham, N. C. |
| Elmer, Robert Watson
A.B. (Amherst College), A.M. (Syracuse University), English. | Durham, N. C. |
| Erickson, John Otto
B.S. (University of Minnesota), Biochemistry, Chemistry. | Virginia, Minn. |
| Erion, Gene Lloyd
A.B. (Doane College), A.M. (University of Wisconsin), Economics. | Omaha, Nebr. |
| Erwin, Aurel Maner
A.B. (Mercer University), Romance Languages, English. | Macon, Ga. |
| Evans, Alona Elizabeth
A.B. (Duke University), Political Science, Economics, Sociology. | Durham, N. C. |
| Faires, Robert Edgerton
B.S. (Ohio University), Physics, Mathematics. | Chesterhill, Ohio |
| Faucette, Olive Cannady
A.B. (Duke University), Education, English. | Durham, N. C. |
| Feagins, Carroll Spurgeon
A.B. (Duke University), A.M. (University of Michigan), Philosophy, Psychology. | Clearwater, Fla. |
| Flemister, Launcelot Johnson, Jr.
A.B., A.M. (Duke University), Zoology. | Atlanta, Ga. |

- Freiser, Henry
B.S. (College of the City of New York), Chemistry, Physics. New York, N. Y.
- French, John Martin
B.S. (Duke University), Physics, Mathematics. Washington, D. C.
- Frey, Ellen Frances
A.B. (Barnard College), A.M. (Duke University), English. Elberon, N. J.
- Fukuhara, Nobukazu
(Yokohama Technical College), Chemistry. Tokyo, Japan
- Gaither, Nenita Theresa
A.B. (Greensboro College), Zoology, Botany. Reidsville, N. C.
- Gardner, Ralph A.
A.B., A.M. (University of Kentucky), Philosophy. Somerset, Ky.
- Gervin, Spencer Rex
B.S. (East Tennessee State Teachers College), Political Science, Economics. Johnson City, Tenn.
- Gilmer, Sam Orr, Jr.
B.S. (Furman University), Economics. Anderson, S. C.
- Gilmore, Patricia Mary
A.B. (Smith College), A.M. (Duke University), English. Brooklyn, N. Y.
- Goodbread, A. Louise
A.B. (Florida State College for Women), Latin. Tampa, Fla.
- Goodman, Warren Herbert
A.B. (Brooklyn College), A.M. (Duke University), History. Brooklyn, N. Y.
- Gould, Robert Kent
A.B., A.M. (Duke University), Chemistry. Hamburg, N. J.
- Grasty, George Mason
A.B. (Washington and Lee University), German, History. Lexington, Va.
- Gray, William Frederick
A.B. (Duke University), History, Political Science. Durham, N. C.
- Greenberg, Irving Melbourne
A.B. (Hofstra College), Zoology, Chemistry. Hempstead, N. Y.
- Gross, Paul Magnus, Jr.
B.S. (Duke University), Physics, Chemistry. Durham, N. C.
- Gruen, Edward Dietrich
A.B. (Dartmouth College), Economics. Dayton, Ohio
- Gunsberg, Amos Morrison
B.S. (Long Island University), Biochemistry, Anatomy, Zoology, Chemistry. Bronx, N. Y.
- Haag, Vincent Harold
B.S. (Catawba College), Mathematics, Economics. Lebanon, Pa.
- Hackney, Edward June
B.S. (Duke University), Chemistry. Durham, N. C.
- Hall, Arthur Ryker
A.B., A.M. (University of Oklahoma), History. Washington, D. C.
- Hall, Maurice Barker
B.S., M.S. (Brigham Young University), Physics, Biochemistry. Santaquin, Utah
- Hardeastle, Aaron Bascom
A.B., A.M. (University of Richmond), Zoology. Durham, N. C.
- Hardendörff, Victor Hall
A.B. (Amherst College), English. North Amherst, Mass.
- Hare, Francis Williams, Jr.
A.B. (University of Colorado), Zoology, Botany. Evergreen, Colo.
- Harlow, Agnes Virginia
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- Harmon, Olivia
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- Harris, Therman Winfred Portales, N. M.
A.B. (Clarendon College), M.S. (University of Oklahoma), Education, Psychology.
- Havens, Ralph Murray Durham, N. C.
A.B. (Baker University), M.B.A. (University of Kansas), Economics.
- Hayes, William Ernest Somerville, N. J.
B.S. (Rutgers University), A.M. (Columbia University), Education, Political Science.
- Hennen, Mary Bernadette Temple, Ga.
B.S. (University of Georgia), Chemistry, Physics.
- Herndon, Fred Jackson Durham, N. C.
A.B. (Duke University), Education.
- Herndon, Nannie Mae Durham, N. C.
A.B. (Duke University), Education.
- Herndon, Nettie Southworth Houston, Texas
A.B., A.M. (West Virginia University), History.
- Hibbs, Max Lee Alabama City, Ala.
B.S. (Alabama Polytechnic Institute), History.
- Hickman, Lewis Chalmers Asheville, N. C.
A.B. (King College), Education.
- Hinshaw, Clifford Reginald, Jr. High Point, N. C.
A.B. (High Point College), History, Political Science.
- Holder, Ray Lucedale, Miss.
A.B., A.M. (University of Mississippi), Religion.
- Holder, Virginia Lee Smart Portsmouth, Va.
A.B. (Randolph-Macon Woman's College), A.M. (Duke University), Latin, Greek.
- Honeycutt, Eliza Hill Durham, N. C.
B.S. (Colby College), History.
- Hoopes, Luther Hartman York, Pa.
A.B. (Catawba College), English, History.
- Horney, Mary Louise Greensboro, N. C.
B.S. (Woman's College of the University of North Carolina), Education.
- Horton, Paul Burleigh Rootstown, Ohio
A.B. (Kent State University), Sociology, Economics.
- Hosack, Robert Ewing Durham, N. C.
A.B. (College of Wooster), A.M. (University of Chicago), Political Science, Economics.
- Hubbard, Thelma Belmont, N. C.
A.B. (Duke University), Religion, Philosophy, Sociology.
- Hudson, Boyd Ellyson, Jr. Toano, Va.
A.B. (Duke University), Chemistry.
- Huff, Jesse William Jeannette, Pa.
B.S. (University of Pittsburgh), Biochemistry, Chemistry.
- Hughes, Ann Miriam Boston, Mass.
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- Humphrey, Elizabeth Marie Indianapolis, Ind.
A.B. (Earlham College), Psychology, Sociology.
- Humphreys, Mary Emily Berlin, Md.
A.B. (Western Maryland College), A.M. (Duke University), Botany.
- Jarnagin, Milton Preston, Jr. Athens, Ga.
A.B., A.M. (University of Georgia), Mathematics.
- Jemison, George Meredith Asheville, N. C.
B.S. (University of Idaho), M.F. (Yale University), Forestry, Botany.
- Johnson, Clyde Alexander Hinton, W. Va.
A.B. (Concord State Teachers College), Education.

- Johnson, Lawrence Clifford Iowa City, Iowa
A.B. (State University of Iowa), Sociology, Psychology.
- Jones, Alice Sanford Radford, Va.
B.S. (Radford State Teachers College), Sociology.
- Jones, Ayrline McGahey Jackson, Miss.
A.B. (Millsaps College), Mathematics.
- Jones, Jameson Miller Corinth, Miss.
A.B. (Southwestern), B.D. (Louisville Presbyterian Theological Seminary), Religion, Philosophy, History.
- Jones, Paul Kingsbury Salem, Mass.
A.B. (Duke University), English, Philosophy.
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B.S. (Morris Harvey College), Zoology, Education.
- King, Emily Barton Spartanburg, S. C.
A.B. (Converse College), A.M. (Duke University), Romance Languages.
- King, John Talbert Burlington, N. C.
A.B. (Elon College), Zoology, Education.
- Kirk, Russell Amos Plymouth, Mich.
A.B. (Michigan State College), History, English.
- Kneipp, Janet Pierce Rettew Harrisburg, Pa.
A.B. (Duke University), English, Romance Languages.
- Koch, Sigmund New York, N. Y.
A.B. (New York University), A.M. (State University of Iowa), Psychology.
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- Krause, James Barber, II Williamsport, Pa.
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B.S. (Simmons College), Economics.
- Lewis, Harold Walter Keene, N. H.
B.S. (Middlebury College), A.M. (University of Buffalo), Physics, Mathematics.
- Lewis, Helen Gloria Madison, N. J.
A.B. (Wilson College), Economics, History.
- Lindgren, Alvin James Canton, Kans.
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Colorado Springs, Colo.
- Low, Frederick Charles
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High Bridge, N. J.
- McDermott, John Joseph
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Durham, N. C.
- MacDougall, Gordon Hosmer
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Westford, Mass.
- McDougall, Kenneth Dougal
(Duke University), Zoology.
Durham, N. C.
- McGehee, William Overton, Jr.
B.S. (University of Virginia), Psychology, Education.
Kent, Va.
- McIntyre, William Russell
B.S., A.M. (Northwestern University), Sociology, Psychology.
Evanston, Ill.
- Mann, Margaret Lee Harris
A.B. (Duke University), Education.
Durham, N. C.
- Martin, James Marion
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Kittrell, N. C.
- Martin, Willard Edgar, Jr.
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Raleigh, N. C.
- Melenek, Ina Ruth
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Fairview, Mass.
- Mickle, Walter Alvin, Jr.
B.S. (Guilford College), A.M. (Duke University), Bacteriology, Anatomy, Physiology.
Pfafftown, N. C.
- Miles, Ernest Percy, Jr.
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- Miller, William Long
B.B.A. (University of Chattanooga). Economics.
Nashville, Tenn.
- Minnich, Lawrence Arthur, Jr.
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Lorain, Ohio
- Mitchell, William Alexander
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- Owings, Walton Archie
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A.B. (Wake Forest College), A.M. (Rutgers University), History. Chesterfield, S. C.
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- Richards, James Austin, Jr.
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- Roberg, Jane
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A.B. (Wabash College), English. Racine, Wis.
- Scherer, Wallace Brown
A.B. (Davidson College), Psychology. Clover, S. C.
- Schnabel, Margaret Jane
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- Schultz, Harold
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- Seawell, Lee Anne
A.B. (Duke University), Sociology, Religion. Winder, Ga.
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- Shannon, Edgar Finley, Jr.
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- Short, Opha Mason
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- Siegel, Paul Shafer
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- Silk, Leonard Solomon
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A.B. (University of Wisconsin), A.M. (Columbia University), Sociology. New York, N. Y.
- Sisk, Glenn Nolen
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- Smith, Frank Malone
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- Smith, Robert Ross
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- Smith, William Jordan Joseph
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- Stainbrook, Edward John
A.B. (Allegheny College), Psychology, Education. Meadville, Pa.
- Stallcup, Mary Jane
B.S. (Duke University), A.B. in Library Science (Emory University), Zoology, Botany. St. Petersburg, Fla.
- Starling, James Holt
A.B., A.M. (University of Alabama), Zoology. Durham, N. C.
- Stender, John Lawrence
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- Stewart, Paul Dekker
A.B. (Hope College), A.M. (Duke University), Political Science, Economics. Washington College, Tenn.
- Stockdale, Ruth Mary
B.S. (Duke University), Chemistry. Pittsburgh, Pa.
- Strange, Reuben Turner
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- Strickhouser, Mary Elizabeth
A.B. (Catawba College), English. York, Pa.
- Strickland, Irma Surovy
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- Strowd, Peggy Anne
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- Stull, Richard John
A.B. (Duke University), Zoology. Durham, N. C.
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A.B. (Hampden-Sydney College), A.M. (Duke University), Political Science. Appalachia, Va.
- Teagarden, Lucetta Jane
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- Thompson, Evan Lewis
A.B. (Duke University), English. Taunton, Mass.
- Tobin, Catherine Elizabeth
A.B. (College of Charleston), A.M. (Duke University), Latin. Charleston, S. C.
- Tompson, Reade Yates
B.S. (Brown University), Chemistry, Physics. Attleboro, Mass.
- Townsend, Freda Liverant
A.B. (Duke University), English. York, Pa.
- Townsend, Roswell George
A.B. (Duke University), Economics, Political Science. Staten Island, N. Y.
- Tremain, Martel Arthur
A.B. (Davidson College), B.D. (Union Theological Seminary), Religion, History. Flemington, Ga.
- Turner, Philip Allison
A.B. (Hiram College), Romance Languages, Education. Hiram, O.
- Van Voorhis, Robert Henry
A.B., A.M. (Duke University), Economics. Rutherford, N. J.
- Vermillion, Gertrude
A.B. (Greenville Woman's College), B.S. (George Peabody College for Teachers), A.M. (Columbia University), Chemistry. Tallahassee, Fla.
- Vonk, Paul Kenneth
A.B. (Calvin College), A.M. (University of Michigan), Philosophy, Psychology. Grand Rapids, Mich.

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|--|---------------------|
| Wade, Luther Irwin, Jr.
A.B. (Duke University), Mathematics. | Elkin, N. C. |
| Wallace, Lillian Parker
A.B. (University of Denver), M.S. (North Carolina State College), History. | Raleigh, N. C. |
| Ward, Peter
A.B. (Duke University), Economics. | Grosse Ile, Mich. |
| Watts, Daniel Thomas
A.B. (Elon College), Zoology, Biochemistry. | Elon College, N. C. |
| Weith, Archie James, Jr.
A.B. (Duke University), Chemistry, Physics. | Caldwell, N. J. |
| Werbel, Burton
A.B. (New York University), A.M. (Duke University), Chemistry, Physics. | Newark, N. J. |
| White, Robert Lovell
A.B. (Harvard University), History, Political Science. | Huntington, W. Va. |
| Whitfield, Henry Jones, Jr.
B.S., M.S. (Alabama Polytechnic Institute), History. | Demopolis, Ala. |
| Whiting, Jesse Evans, Jr.
A.B. (Duke University), Romance Languages, English. | West Orange, N. J. |
| Wilkinson, Albert Alexander
A.B. (Duke University), Philosophy. | Durham, N. C. |
| Williams, Melvin John
A.B., B.D. (Duke University), Sociology. | Durham, N. C. |
| Wilson, Charles Christopher
B.S. (University of Miami), Botany, Forestry. | Miami, Fla. |
| Wollman, Seymour Horace
B.S., M.S. (New York University), Physics. | New York, N. Y. |
| Wood, Frederic Marcus, Jr.
A.B. (Western Reserve University), A.M. (Duke University), Latin, Greek. | Painesville, O. |
| Woodruff, Joseph Leroy
A.B. (Tarkio College), A.M. (Duke University), Psychology. | Des Moines, Iowa |
| Wright, Ernest Baskin
A.B. (University of Alabama), A.M. (University of Wisconsin), Political Science. | University, Ala. |
| Yelanjian, Louis Justine
A.B. (Birmingham-Southern College), B.S. (Union Theological Seminary), Religion. | Birmingham, Ala. |
| Young, Jerome Louis
B.S. (University of Maryland), A.M. (Duke University), Zoology. | Washington, D. C. |

SUMMER OF 1940; FIRST TERM

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|--|--------------------------|
| Abramovitch, Benjamin
B.S. (McGill University), Chemistry. | Montreal, Quebec, Canada |
| Ackerman, Hugo Sheridan
A.B. (Wofford College), History, Education. | Orangeburg, S. C. |
| Adams, Eslie Foy
B.S. (Piedmont College), Education. | Andalusia, Ala. |
| Ahlberg, Verne
A.B. (Macalester College), A.M. (Columbia University), English. | St. Paul, Minn. |
| Aimar, Caroline Picault
A.B. (College of Charleston), English. | Charleston, S. C. |
| Albertson, Katharine Shone
B.S. (Rutgers University), Education. | Haddonfield, N. J. |
| Aldridge, Alfred Owen
B.S. (Indiana University), A.M. (University of Georgia), English. | Buffalo, N. Y. |
| Allgood, Catharine
A.B. (Winthrop College), Education. | Liberty, S. C. |

Anderson, Ernest Rogers B.S. (South Georgia Teachers College), Education.	Matthews, Ga.
Anderson, Joseph Cecil A.B. (University of Georgia), English.	Springvale, Ga.
Anderson, Lucian Dumas A.B. (Winthrop College), English, History.	Seneca, S. C.
Anderson, Margaret Catherine A.B. (Florida Southern College), Education.	Lakeland, Fla.
Anderson, Ruby Jane A.B. (Western Kentucky State Teachers College), History, Economics.	Caneyville, Ky.
Anderson, St. Claire A.B. (Winthrop College), English.	Charleston, S. C.
Anderson, Sallie Katherine A.B. (Lander College), Education.	Edgefield, S. C.
Andre, Merle Kenneth B.S. (Edinboro State Teachers College), Economics, Education.	Franklin, Pa.
Archer, Cordelia Pearl B.S. (East Tennessee State Teachers College), History.	Johnson City, Tenn.
Armstrong, Leo Henry B.S. (University of Florida), Education.	Bradenton, Fla.
Asbury, Jean Gray A.B. (Brown University), Mathematics.	Chambersburg, Pa.
Ashley, Raymond Ferris A.B. (Indiana University), Education, History.	Bakersville, N. C.
Auld, Floyd William B.S. (Indiana State Teachers College), English, Education.	Homer City, Pa.
Autry, Randall Franklin A.B. (University of North Carolina), English.	Godwin, N. C.
Ayers, Archie Raymond B.S. (University of South Carolina), A.M. (Duke University), Education.	Wilmington, N. C.
Ayers, Valla Evelyn Young A.B. (Western Kentucky State Teachers College), English.	Wilmington, N. C.
Backus, Elbert Leon A.B. (Glenville State Teachers College), Education.	Clendenin, W. Va.
Backus, Tulsa Eloise A.B. (Glenville State Teachers College), Education.	Clendenin, W. Va.
Bagby, James Willis, Jr. B.S. (East Tennessee State Teachers College), A.M. (Duke University), Education.	Damascus, Md.
Bailey, Rosalie Vincent A.B. (Lander College), English.	Greenwood, S. C.
Baird, Sybil A.B. (Howard College), English.	Birmingham, Ala.
Baker, Lula Evelyn A.B. (Winthrop College), Romance Languages, English.	Mt. Croghan, S. C.
Ballard, Grady Lee A.B. (Howard College), Education.	Tallassee, Ala.
Barbot, Mary Elizabeth A.B. (College of Charleston), English.	Charleston, S. C.
Barnes, Jack Carlisle A.B. (Duke University), English.	Greensboro, N. C.
Barnes, William Speight A.B. (Duke University), J.D. (University of Arizona), Physics.	Tucson, Ariz.
Barnett, Rachel Elizabeth A.B. (Denison University), Education, English.	Newcomerstown, O.
Barr, Coke Lafyles B.S. (Florida Southern College), Education.	Jacksonville, Fla.

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- Berry, Geraldine Elizabeth
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- Besanceney, Theodore R.
B.S. (Mansfield State Teachers College), Education. Camptown, Pa.
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B.S. (University of Michigan), Psychology. Nutley, N. J.
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- Black, Caroline Banks
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- Black, Rowland Joseph
B.S. (Glassboro State Teachers College), Education. Pitman, N. J.
- Blackburn, Edward Bernard
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- Blackburn, John Hartley
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A.B. (Rollins College), English. | Winter Park, Fla. |
| Welshinger, Carroll Thomas
B.S. (John B. Stetson University), Education. | Daytona Beach, Fla. |
| West, Harold Fane
A.B. (Glenville State Teachers College), Sociology. | Glasgow, W. Va. |
| West, Paul Eldred
A.B. (Salem College), Education. | West Milford, W. Va. |
| Whiting, Sara Maysel
A.B. (Glenville State Teachers College), Education. | Spencer, W. Va. |
| Whitlatch, Lewis Wade
B.S. (California State Teachers College), History. | Monongahela, Pa. |
| Whitman, Ruth Jane
A.B. (Marshall College), Education. | Charleston, W. Va. |
| Wiebel, George Clement
A.B. (Lynchburg College), Education. | Martinsville, Va. |
| Wiggins, Samuel Paul
B.S. (South Georgia Teachers College), Education. | Dublin, Ga. |
| Wilfong, Mildred Elizabeth
A.B. (Florida State College for Women), Education. | Tallahassee, Fla. |
| Wilhite, Arthur Bolton
A.B. (Erskine College), Psychology. | Lake Placid, Fla. |
| Williams, Lola Marler Rogers
A.B. (Duke University), English. | Durham, N. C. |
| Williams, Louis Gressett
A.B. (Marshall College), Botany. | Milton, W. Va. |

Williams, Melvin John A.B., B.D. (Duke University), Sociology.	Durham, N. C.
Williams, Ruby Malinda A.B. (Greensboro College), Botany.	Reidsville, N. C.
Willis, Margaret Carter A.B. (East Carolina Teachers College), Education, Psychology.	New Bern, N. C.
Willis, Mary Frances A.B. (Florida State College for Women), English.	Jacksonville, Fla.
Wilson, Charles Christopher B.S. (University of Miami), Botany.	Durham, N. C.
Wilson, Eleanor Magee A.B. (Allegheny College), English, Education.	Ellwood City, Pa.
Wilson, Elizabeth Andrews A.B. (Florida State College for Women), History.	Tampa, Fla.
Wilson, Frances Louise A.B. (University of Miami), Education.	Miami, Fla.
Wilson, Harold Gerald B.S. (University of Florida), Education.	Greenville, Fla.
Wilson, Raymond G. B.S. (Memphis State Teachers College), Education.	Union City, Tenn.
Wilson, Robert Seth B.S. (College of Wooster), Education.	Ashtabula, O.
Wimberly, Rosamonde Ramsay A.B., A.M. (University of South Carolina), Sociology, History.	Spartanburg, S. C.
Wolfarth, William A.B. (Otterbein College), Education.	Canton, O.
Wood, Virginia Loraine A.B. (Roanoke College), Political Science, History.	Roanoke, Va.
Woodbury, Roy Orlo B.S. (University of Miami), Botany.	Miami, Fla.
Woodruff, Carmen Moore A.B. (Georgia State Teachers College), English.	Walnut Grove, Ga.
Wynn, Lawrence A.B. (Emory University), English.	Milledgeville, Ga.
Yager, Charles Monroe B.S. (University of Maryland), Education.	Baltimore, Md.
Yarbrough, Mary Elizabeth A.B. (Meredith College), M.S. (North Carolina State College), Physiology.	Raleigh, N. C.
Young, Hobart McKinley A.B. (Concord State Teachers College), Education.	Bluefield, W. Va.
Young, William Alson B.S. (Muhlenberg College), Education.	Coopersburg, Pa.
Young, William Coleman A.B. (College of Charleston), History.	Georgetown, S. C.
Young, Worth John B.S. (Emory and Henry College), Mathematics, Physics.	Emory, Va.
Zerke, Carl Frederick A.B. (Geneva College), English, Education.	Beaver Falls, Pa.
Zoller, Howard Frederick B.S. (East Stroudsburg State Teachers College), Education.	East Stroudsburg, Pa.

SUMMER OF 1940; SECOND TERM

Aldridge, Alfred Owen B.S. (Indiana University), A.M. (University of Georgia), English.	Buffalo, N. Y.
--	----------------

- Anderson, Ernest Rogers
B.S. (South Georgia Teachers College), Education. Matthews, Ga.
- Anderson, Margaret Catherine
A.B. (Florida Southern College), Education. Lakeland, Fla.
- Anderson, Ruby Jane
A.B. (Western Kentucky State Teachers College), History. Caneyville, Ky.
- Anderson, St. Claire
A.B. (Winthrop College), English. Charleston, S. C.
- Asbury, Jean Gray
A.B. (Brown University), Mathematics. Chambersburg, Pa.
- Ashley, Raymond Ferris
A.B. (Indiana University), Education. Bakersville, N. C.
- Atkins, Emily Lucy Howard
A.B. (Florida State College for Women), History. Jacksonville, Fla.
- Autry, Randall Franklin
A.B. (University of North Carolina), English. Godwin, N. C.
- Ayers, Archie Raymond
B.S. (University of South Carolina), A.M. (Duke University), Education. Wilmington, N. C.
- Ayers, Valla Evelyn Young
A.B. (Western Kentucky State Teachers College), English. Wilmington, N. C.
- Backus, Elbert Leon
A.B. (Glenville State Teachers College), Education. Clendenin, W. Va.
- Backus, Tulsa Eloise
A.B. (Glenville State Teachers College), Education. Clendenin, W. Va.
- Bailey, Rosalie Vincent
A.B. (Lander College), English. Greenwood, S. C.
- Ballard, Grady Lee
A.B. (Howard College), Education. Tallassee, Ala.
- Barbot, Mary Elizabeth
A.B. (College of Charleston), English. Charleston, S. C.
- Barfield, Edith Herlong
A.B. (Duke University), Education, Sociology. Miami, Fla.
- Barr, Orville Asbury
B.S. (Florida Southern College), Education, Psychology. Jacksonville, Fla.
- Barrett, Arnold Lankford
A.B. (University of Georgia), Economics, History. Social Circle, Ga.
- Beams, William Robert
A.B. (Western Kentucky State Teachers College), Sociology, Education. Louisville, Ky.
- Beeker, Henry Judson
B.S. (Appalachian State Teachers College), History. Green Sea, S. C.
- Beery, Lena Grace
A.B. (Marshall College), B.S. (Morris Harvey College), Education. Elkview, W. Va.
- Behrens, Lois
B.S. (Florida State College for Women), Education. Princeton, Fla.
- Bertoldi, Louis Richard
B.S. (Bloomburg State Teachers College), History. Weston, Pa.
- Besanceney, Theodore R.
B.S. (Mansfield State Teachers College), Education, Sociology. Camptown, Pa.
- Bickell, Ernest Adelbert, Jr.
B.S. (University of Michigan), Zoology. Nutley, N. J.
- Black, Roland Joseph
B.S. (Glassboro State Teachers College), Sociology. Pitman, N. J.
- Blackburn, Edward Bernard
A.B. (Florida Southern College), Education. Homestead, Fla.
- Blackburn, John Hartley
A.B. (Florida Southern College), Education. Anna Maria, Fla.

Bloom, Robert Louis	Tyrone, Pa.
B.S. (Shippensburg State Teachers College), History.	
Bondurant, Agnes Meredith	Rice, Va.
B.S. (Farmville State Teachers College), English.	
Boney, Nancy Virginia	Blythewood, S. C.
A.B. (Winthrop College), English.	
Boone, William Riley Prichard	Marshall, Texas
A.B., B.S. (University of Texas), History, Political Science.	
Bowen, Hobert Brooks	Walkersville, W. Va.
A.B. (Salem College), Education, Sociology.	
Boyer, Luther Karl	Mt. Carmel, Pa.
A.B. (Susquehanna University), Education.	
Boyles, Dorothy Clemence	Jackson, Miss.
A.B. (Millsaps College), History, English.	
Britton, Margery Etta	Dunellen, N. J.
A.B. (Montclair State Teachers College), Education.	
Brooks, Jessie Mae	Vass, N. C.
A.B. (Meredith College), English.	
Brothers, Wilbur Leo	Clay City, Ind.
A.B. (Indiana State Teachers College), Education, Psychology.	
Brown, Gilbert Elgar	War, West Va.
A.B. (Wilmington College), Education, Economics.	
Bryan, Thomas Conn	Skyland, N. C.
A.B. (Duke University), A.M. (University of North Carolina), History.	
Bryant, Anne	Hampton, Va.
B.S. (East Tennessee State Teachers College), English.	
Bryant, Carlyle Rupert	Greenville, S. C.
A.B. (Furman University), Education.	
Buck, Ida Hermine	Altoona, Pa.
A.B. (Catawba College), Education.	
Buckwalter, Kathryn Mary	Lancaster, Pa.
B.S. (Millersville State Teachers College), English.	
Buller, Laura Eshleman	Lancaster, Pa.
B.S. (Millersville State Teachers College), English.	
Burdette, Charlotte Elizabeth	Charleston, W. Va.
A.B. (Marshall College), Education.	
Burks, Harry Hunter	Berryville, Va.
A.B. (Shepherd State Teachers College), Education, Sociology.	
Butcher, Jared Arthur	Gassaway, W. Va.
A.B. (Glennville State Teachers College), Education, Sociology.	
Byrd, James Curtis	Boca Grande, Fla.
B.S. (Florida Southern College), Education.	
Caldabaugh, Eleanor Long	Wheeling, W. Va.
A.B. (Western Maryland College), Education.	
Caldabaugh, Harry Rahr	Wheeling, W. Va.
B.S. (West Virginia Wesleyan College), Education.	
Calvert, Henry Woodrow	Arlington, Va.
B.S. (University of South Carolina), Psychology.	
Cannon, Margaret Faw	Durham, N. C.
A.B. (Randolph-Macon Woman's College), Education.	
Cardwell, Raymond Elbert	Chattanooga, Tenn.
A.B. (University of Chattanooga), English.	
Carlson, Lillian Elsie	Paducah, Ky.
A.B. (Otterbein College), English.	
Carpenter, Alta Buane	Wheeling, W. Va.
A.B. (Marshall College), English.	

- Carpenter, Nevette Hefner
A.B. (Lenoir-Rhyne College), Education. Hickory, N. C.
- Carr, Heyward Alexander
A.B. (Erskine College), Education. Rock Hill, S. C.
- Carter, Edwin Roux
B.S. (Florida Southern College), Education, Sociology. Bartow, Fla.
- Carter, Maude
A.B. (University of Georgia), English. High Point, N. C.
- Caughey, Mary Gladys
B.S. (Geneva College), A.M. (Columbia University), Botany. Chester, W. Va.
- Chambers, Moreau Browne Congleton
A.B. (Mississippi College), History. Clinton, Miss.
- Charlton, Harriette Virginia
A.B. (Concord State Teachers College), English. Princeton, W. Va.
- Chiverton, William Scott
B.S. (Glassboro State Teachers College), Education, Sociology. Pitman, N. J.
- Civin, Paul
A.B. (University of Buffalo), Mathematics. Buffalo, N. Y.
- Cleaveland, Fred Neill
A.B. (Duke University), History. Gladstone, N. J.
- Cline, John
A.B. (Duke University), English. Durham, N. C.
- Cluney, L. Patricia
A.B. (University of Miami), Education. Coconut Grove, Fla.
- Coe, Forrest B.
B.S. (Slippery Rock State Teachers College), Education. Emporium, Pa.
- Coffinbarger, Willard Richard
A.B. (Shepherd State Teachers College), Zoology. Hedgesville, W. Va.
- Cole, John William
A.B. (Fairmont State Teachers College), Education. Clarksburg, W. Va.
- Collins, Annie Ethelene
B.S. (Mississippi Delta State Teachers College), Education. Pace, Miss.
- Combs, James Howard
B.S. (Appalachian State Teachers College), Education. Woodlawn, Va.
- Cone, Bonnie Ethel
B.S. (Coker College), Education. Lodge, S. C.
- Conoley, Laurita Pearson
A.B. (Florida State College for Women), Education. Miami, Fla.
- Conoley, Rudolph Evander
A.B. (Davidson College), History. Miami, Fla.
- Conte, John Peter
A.B. (Washington and Jefferson College), Education. Monongahela, Pa.
- Cook, David Forrest
A.B. (Concord State Teachers College), Education. Oceana, W. Va.
- Cooper, Frances Harlee
A.B. (Carson-Newman College), History, English. Spartanburg, S. C.
- Cope, Lois Ruth
A.B. (Southeastern Louisiana College), Education. Hammond, La.
- Coyne, John B.
A.B. (University of Pittsburgh), Psychology. Pittsburgh, Pa.
- Crouch, Walton
B.S. (South Georgia Teachers College), Education, Sociology. Register, Ga.
- Curry, Wayne Burbage, Jr.
A.B. (Bowling Green College of Commerce), Education. Delbarton, W. Va.
- Cushing, Mary Louise
B.Pd. (Jamaica Training School for Teachers), Education. Jackson Heights, N. Y.

Cuyler, W. Kenneth	Durham, N. C.
A.B. (University of Texas), A.M. (Western Reserve University), Physiology.	
Dale, Dorothy Jeanne	Cadiz, Ky.
A.B. (Murray State Teachers College), English.	
Daniel, Annie Laura	Americus, Ga.
A.B. (Wesleyan College), English.	
Davis, Jesse Maxwell	Terre Haute, Ind.
B.S. (Indiana State Teachers College), Zoology.	
Davis, Mary Eloise	Tallahassee, Fla.
A.B. (Florida State College for Women), Education.	
Davis, Virginia Laurine	Bridgeport, W. Va.
A.B. (West Virginia University), Sociology.	
Day, Russell Vanburen	Millers Creek, N. C.
B.S. (North Carolina State College), Education.	
Dew, Joanna	Alachua, Fla.
A.B. (Florida State College for Women), History.	
Dickson, Robert Jerome	Shelby, N. C.
A.B. (Arizona State Teachers College), Zoology.	
Dotson, Eva Louise	Savannah, Ga.
B.S. (Georgia State College for Women), Education.	
Dupree, John Louis	Kannapolis, N. C.
B.S. (Wake Forest College), Education.	
Durden, George Douglas	Columbus, Ga.
B.S. (South Georgia Teachers College), English.	
Eager, Howard, Jr.	Houston, Texas
A.B. (Duke University), Psychology.	
Early, William Ashby	Madison Heights, Va.
A.B. (Emory and Henry College), Education.	
Edwards, Lillian Aldridge	Williamston, N. C.
A.B. (Meredith College), English.	
Edwards, Samuel Reese	Williamston, N. C.
B.S. (Mansfield State Teachers College), Political Science.	
Eidson, William Patton	Ashland, Ky.
A.B. (Morehead State Teachers College), Education.	
Eisentroun, George Milton	Midland, Md.
B.S. (Washington College), Education.	
Engle, Mary Margaret	Berea, Ky.
A.B. (Berea College), History.	
Ensor, Samuel Stoner	New Windsor, Md.
A.B. (Bridgewater College), Mathematics.	
Etzel, William George	Cincinnati, O.
A.B., B.E. (University of Cincinnati), Education.	
Evans, Beverly Daniel, IV	Sandersville, Ga.
A.B. (Mercer University), History.	
Fant, Alethea Blackmore	Warsaw, N. C.
B.S. (Mary Washington College), Education.	
Fielder, Margaret Frances	Charleston, W. Va.
B.S. (Harrisonburg State Teachers College), Education.	
Firebaugh, Joseph Jesse	Denver, Colo.
A.B. (University of Colorado), A.M. (Duke University), English.	
Flanagan, William Leroy	Soperton, Ga.
B.S. (South Georgia Teachers College), Education, Sociology.	
Flanders, Horace Marion, Jr.	Pembroke, Ga.
A.B. (University of Georgia), Education, Sociology.	
Foster, Abram John	Belle Vernon, Pa.
B.S. (California State Teachers College), History.	

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|---|---------------------|
| Freeman, Fletcher Albert | Beckley, W. Va. |
| A.B. (Concord State Teachers College), Education. | |
| Frowein, Frederick William | Spartanburg, S. C. |
| B.S. (Presbyterian College), Education. | |
| Funk, Thorold Shaffer | Rowlesburg, W. Va. |
| A.B. (West Virginia Wesleyan College), Education. | |
| Funkhouser, Joseph Alfred | Beaverdam, Va. |
| A.B. (Randolph-Macon College), Education. | |
| Gamble, Nina Cusick | Maryville, Tenn. |
| A.B. (Maryville College), Education. | |
| Garrett, Denzel Raymond | Charleston, W. Va. |
| A.B. (Glennville State Teachers College), Education. | |
| Garrett, Richard Jennings | York, Pa. |
| B.S. (Millersville State Teachers College), Education. | |
| Gates, Floy Perkinson | Durant, Okla. |
| A.B. (Texas Christian University), A.M. (University of Chicago), A.M. (Vanderbilt University), English. | |
| Gentry, Thomas Oliver | Hurdle Mills, N. C. |
| A.B. (Duke University), Education. | |
| George, Austin Holly | Parkersburg, W. Va. |
| B.S. (Ohio University), Education. | |
| Gervin, Spencer Rex | Johnson City, Tenn. |
| B.S. (East Tennessee State Teachers College), Political Science. | |
| Gibbs, Frances Ruth | Union, S. C. |
| A.B. (Winthrop College), French. | |
| Gibson, Paul Melvin | Atlantic, Pa. |
| B.S. (Allegheny College), Education. | |
| Ginther, James Edward | North Canton, O. |
| A.B. (College of Wooster), English. | |
| Godard, Doris Elizabeth | Milledgeville, Ga. |
| A.B. (Georgia State College for Women), History, Political Science. | |
| Golightly, Howard Buren | Easley, S. C. |
| A.B., B.S. (Marion College), Education. | |
| Goodwin, Norvelle Winston | Louisa, Va. |
| A.B. (College of William and Mary), Sociology. | |
| Gordon, Donald Precourt | Miami, Fla. |
| A.B. (University of Florida), Education. | |
| Grigsby, Alice Blanche | White Horn, Tenn. |
| A.B. (University of Chattanooga), Education. | |
| Guinn, Mary Frances | McCondy, Miss. |
| B.S. (Millsaps College), French. | |
| Guito, Anna Shepherd | Miami, Fla. |
| A.B. (University of Florida), History. | |
| Gusmerotti, Tulio Dan | Brookville, Pa. |
| B.S. (Juniata College), Education. | |
| Hall, Chester Lee | Vidalia, Ga. |
| A.B. (Mercer University), Education. | |
| Hamm, Gladys Irene | Hanover, Pa. |
| A.B. (Western Maryland College), Mathematics. | |
| Hanks, Thomas Edgar | Galax, Va. |
| B.S. (Radford State Teachers College), Education. | |
| Hardcastle, Aaron Bascom | Durham, N. C. |
| A.B., A.M. (University of Richmond), Zoology. | |
| Hardin, Paul Douglas | Jackson, Miss. |
| A.B. (Millsaps College), History. | |

Harlow, Agnes Virginia	Greencastle, Ind.
A.B. (Mt. Holyoke College), A.M. (University of California), English.	
Harper, Herbert Dewey	Montevallo, Ala.
A.B. (Howard College), Education.	
Harris, Ada Lee	Miami, Fla.
A.B. (University of Miami), Education.	
Harris, Adah Lenora	Salem, W. Va.
A.B. (Salem College), Education.	
Harris, Gerald Delmo	New Athens, O.
B.S. (Muskingum College), Education.	
Harrison, Marvin Oziel	Tallahassee, Fla.
A.B. (Florida Southern College), Education.	
Hastings, Emily Prince	Paris, Tenn.
A.B. (Lambeth College), History.	
Hench, Harold Ernest	Carlisle, Pa.
Ph.B. (Dickinson College), History.	
Henderson, Anne DeHaas	Lebanon, Pa.
B.S. (Millersville State Teachers College), Education.	
Henderson, Florence Madelyn	Fargo, N. D.
B.S. (University of North Dakota), Education.	
Hendler, Cornelia Clara	Buffalo, N. Y.
B.S. (Buffalo State Teachers College), Education.	
Hendry, Harry Frierson, Sr.	Ft. Myers, Fla.
B.S. (Florida Southern College), Education.	
Henry, Norman Charles	Berwick, Pa.
B.S. (Bloomsburg State Teachers College), Education.	
Herndon, Fred Jackson	Durham, N. C.
A.B. (Duke University), Education.	
Hershey, John Warren	Lancaster, Pa.
A.B. (Franklin and Marshall College), Education.	
Hill, Madeline	Mitchells, Va.
B.S. (Farmville State Teachers College), Botany.	
Hill, Thomas Price, Jr.	Charleston, W. Va.
A.B. (West Liberty State Teachers College), Education.	
Himes, Mae	West Palm Beach, Fla.
A.B. (Florida State College for Women), History.	
Hinshaw, Clifford Reginald, Jr.	High Point, N. C.
A.B. (High Point College), History.	
Hobgood, Alton Arthur	Durham, N. C.
A.B. (Duke University), English.	
Hoffeditz, Laura Margaret	Mercersburg, Pa.
B.S. (Shippensburg State Teachers College), History, Political Science.	
Holder, Edward James	Merry Hill, N. C.
A.B. (Wake Forest College), Education.	
Holmes, James Lewis, Jr.	Statesville, N. C.
A.B. (Catawba College), Education.	
Holmes, Marjorie Moran	Charleston, W. Va.
A.B. (Marshall College), History, Education.	
Holston, Norene	Montcalm, W. Va.
A.B. (Concord State Teachers College), Sociology, Psychology.	
Hood, Edwin Morris	Sandersville, Ga.
A.B. (Mercer University), Education, Sociology.	
Hood, Mallie Roy	Eupora, Miss.
A.B. (Mississippi College), Zoology.	
Hood, William Clayton	Summer Shade, Ky.
A.B. (Western Kentucky State Teachers College), Education.	

- Hook, Kenneth Boyd
A.B. (Elon College), Education, Sociology. Winchester, Va.
- Hopkins, Alma Barr
B.S. (Winthrop College), Economics. Rowesville, S. C.
- Horton, George Raymond
B.S. (Rutgers University), Education. Roosevelt, L. I., N. Y.
- Hosack, Robert Ewing
A.B. (College of Wooster), A.M. (University of Chicago), Political Science. Durham, N. C.
- House, Helen Willis
A.B. (Vanderbilt University), Education. Madison, Ga.
- Howard, Lottie Ruth
A.B. (Florida State College for Women), Education. Dade City, Fla.
- Hoyle, Daniel Scarborough
B.S. (Appalachian State Teachers College), History. Whitakers, N. C.
- Hrubes, Helene Anna
A.B. (Western Reserve University), Education. Shaker Heights, O.
- Hubbard, Thelma
A.B. (Duke University), Psychology, Sociology. Belmont, N. C.
- Hudson, Donald Burnard
A.B. (Juniata College), Education. Altoona, Pa.
- Hughes, Ann Miriam
A.B. (Duke University), Physiology. Boston, Mass.
- Huskey, David Carlyle
A.B. (Florida Southern College), Economics. Ft. Pierce, Fla.
- Hyatt, Jack Howell
B.S. (Berry College), Education. Summerville, Ga.
- Ingram, Ben
A.B. (Wake Forest College), Th.M., Ph.D. (Southern Baptist Theological Seminary), History. Forsyth, Ga.
- Irvin, Fredric Brinker
A.B. (Temple University), English. Rochester, Pa.
- Irvin, Ruth Mae McElhaney
A.B. (Thiel College), History, Education. Rochester, Pa.
- Ivill, Mary Adelaide
B.S. (California State Teachers College), Education. McKeesport, Pa.
- James, Ruth Olive
B.S. (Memphis State Teachers College), English. Bells, Tenn.
- Jarecke, Walter Henry
B.S. (Bloomsburg State Teachers College), Sociology. Glen Lyon, Pa.
- Jarrell, John Percha
A.B. (Marshall College), Education. Seth, W. Va.
- Jay, Lemuel Eugene
B.S. (South Georgia Teachers College), English. Vidalia, Ga.
- Jenkins, Joseph Daniel
A.B. (Florida Southern College), Education. Highland City, Fla.
- Johnson, Albert
B.S. (Mansfield State Teachers College), Education. Antrim, Pa.
- Johnson, Carl Lennart
B.S. (Mansfield State Teachers College), Education, Sociology. Dagus Mines, Pa.
- Johnson, Emma Bain
A.B. (Duke University), English, History. Thomasville, N. C.
- Johnston, George Washington
B.S., M.S. (Mississippi State College), Botany. Quitman, Miss.
- Johnston, Nina Louise
A.B. (Hendrix College), French. Kensett, Ark.

Johnston, Ronald Irving A.B. (Maryville College), Education.	Oneida, N. Y.
Joiner, Sarah Benton A.B. (Georgia State Teachers College), English.	Savannah, Ga.
Jones, Eugenia Middleton B.S. (Ersine College), History, Education.	Mt. Croghan, S. C.
Jones, Vivienne Allen B.S. (Florida State College for Women), Education.	Miami, Fla.
Jordan, Carrie Lee A.B. (College of William and Mary), History.	Dublin, Va.
Jordan, Charles Daniel A.B. (East Carolina Teachers College), A.M. (George Peabody College for Teachers), Zoology.	Greenville, N. C.
Justin, John Raymond B.S. (Mansfield State Teachers College), Education.	Newark, Del.
Keever, Nancy Catherine A.B. (Duke University), Zoology.	Stony Point, N. C.
Kelly, Philip Thomas, Jr. A.B. (Newberry College), Education.	Dalzell, S. C.
Kennedy, Vincent Maurice B.S., LL.B. (Duquesne University), Economics.	Jeannette, Pa.
Kern, Donald Warren B.S. (East Stroudsburg State Teachers College), Education.	Pikeville, N. C.
Kidd, Rex Charles B.S. (East Tennessee State Teachers College), Education.	Maryville, Tenn.
Kilbourne, Mary Elizabeth A.B. (Kenka College), Education.	Pavilion, N. Y.
Kirk, Rubye A.B. (Howard College), History, English.	Winfield, Ala.
Kirkwood, Charles Edward, Jr. A.B. (Lynchburg College), M.S. (University of Georgia), Mathematic, Physics.	Clemson, S. C.
Knight, Mary Roberts B.S. (Harrisonburg State Teachers College), English.	Norfolk, Va.
Knight, Theron Turner A.B. (Western Kentucky State Teachers College), Education.	Louisville, Ky.
Kochenour, Earl Franklin B.S. (Gettysburg College), Education.	Mt. Joy, Pa.
Kochman, Philip B.S. (Glassboro State Teachers College), Education.	Williamstown, N. J.
Kolb, Rodney Bennett A.B. (Ohio Wesleyan University), Education.	Columbus, O.
Kramer, Miriam Loretta A.B. (Wilson College), Education.	Collingswood, N. J.
Lane, James Frank, Jr. A.B. (University of Maryland), English.	Goldsboro, Md.
LaPointe, Andre Robert A.B. (Assumption College), French, Education.	Westbrook, Maine
Lashure, Melvin Murray B.S. (Appalachian State Teachers College), Education.	Kannapolis, N. C.
Lewis, Ralph LaVerne A.B. (University of Scranton), Political Science.	Carbondale, Pa.
Lide, David Allen B.S. (University of South Carolina), Zoology.	Marion, S. C.
Lipkin, Helen Annette A.B. (Montclair State Teachers College), Education.	Riverside, N. J.

- Lipscomb, Arthur McLaurine, Jr. Lexington, Va.
A.B. (Virginia Military Institute), English.
- Lipscomb, Winifred Lawrence Greeneville, Tenn.
B.S. (Simmons College), M.S. (Alabama Polytechnic Institute), Sociology.
- Luttrell, Karl Francis Brooksville, Fla.
B.S., A.B. (University of Florida), Education, Sociology.
- McAlexander, Maxine Mosby Mt. Hope, W. Va.
A.B. (Concord State Teachers College), English.
- McCain, Paul Moffatt Decatur, Ga.
A.B. (Erskine College), History.
- McCalley, Charlotte Pattie Fredericksburg, Va.
B.S. (Fredericksburg State Teachers College), Education, Psychology.
- McCarley, Mary Francis Memphis, Tenn.
B.S. (Memphis State Teachers College), Education, Political Science.
- McCartt, Mary Leah Johnson City, Tenn.
B.S. (East Tennessee State Teachers College), Education.
- McClurkin, Alma Donald Pike Road, Ala.
A.B. (University of Alabama), History.
- McCrory, Otho Elmer Ellisville, Miss.
A.B. (Mississippi College), Botany.
- McDowell, Virginia Paducah, Ky.
A.B. (Murray State Teachers College), English.
- McFadyen, Alvan Robbins Fayetteville, N. C.
A.B. (University of North Carolina), English.
- MacFarland, Doris Amy Monroeville, N. J.
B.S. (Glassboro State Teachers College), Education.
- McGee, Charles McKay, Jr. Greenville, S. C.
A.B. (Furman University), English.
- McGinnes, William Walter Milford, Del.
B.S. (Washington College), Education.
- MacIntosh, Fred Henry Columbia, S. C.
A.B. (University of South Carolina), English.
- Mannello, George, Jr. Queens Village, N. Y.
B.S. (College of the City of New York), Education.
- Manello, Jeannette Domres Rockville Center, N. Y.
B.S. (Buffalo State Teachers College), Education.
- Marshall, Harris Andrew McColl, S. C.
A.B. (Furman University), Education.
- Martin, Dorsie Garnett Athens, W. V.
A.B. (Concord State Teachers College), Education.
- Martin, James Marion Kittrell, N. C.
A.B. (Duke University), Education, English.
- Martin, Stanley Harland Bluefield, W. Va.
A.B. (Concord State Teachers College), Education.
- Mason, Elwood Byrd Berlin, Md.
A.B. (Washington College), Education.
- Mason, John Randolph Swainsboro, Ga.
B.S. (South Georgia Teachers College), Education, Sociology.
- Mathias, Ama Avis Mathias, W. Va.
B.S. (Madison College), Economics.
- Mathias, Audrie Lynn Mathias, W. Va.
B.S. (Madison College), Education.
- Meares, Jefferson Sullivan Raleigh, N. C.
B.S. (University of South Carolina), M.S. (North Carolina State College), Physics.
- Meserve, Bruce Elwyn Portland, Maine
A.B. (Bates College), Mathematics.

Michael, Chloe	Boone, N. C.
B.S. (Appalachian State Teachers College), English.	
Middleton, Mary	Walnut Cove, N. C.
A.B. (Woman's College of the University of North Carolina), Education.	
Miles, Ernest Percy, Jr.	Birmingham, Ala.
B.S. (Birmingham-Southern College), A.M. (Duke University), Mathematics.	
Miller, Beverly Thomas	Lake Worth, Fla.
A.B. (College of William and Mary), History.	
Miller, Cecil Lee	Beckley, W. Va.
A.B. (Concord State Teachers College), Education.	
Miller, William Durell	Jacksonville, Fla.
A.B. (University of Florida), History.	
Milliren, Charles Max	Reynoldsville, Pa.
B.S. (Mansfield State Teachers College), Education.	
Mitchell, Isaac Leonidas	Springdale, W. Va.
A.B. (Berea College), Education.	
Mitchell, James Franklin	Greenville, S. C.
A.B. (Furman University), English.	
Montgomery, John Fleshman	Lewisburg, W. Va.
A.B. (Hampden-Sydney College), A.M. (University of Southern California), Psychology.	
Mool, James Bulger	Coral Gables, Fla.
A.B. (University of Miami), History.	
Moore, Bonnie Grace	Maryville, Tenn.
A.B. (Maryville College), French, English.	
Moore, David Franklin	Lenoir, N. C.
B.S. (Appalachian State Teachers College), English.	
Morehead, Mildred Lillian	Jackson, Miss.
A.B. (Mississippi State College for Women), English.	
Morris, Woodrow Wilson	Summersville, W. Va.
A.B. (Glenville State Teachers College), Education.	
Motley, Everett Lyle	Danville, Va.
A.B. (Lynchburg College), Education.	
Munson, Lucille	Buckhannon, W. Va.
A.B. (West Virginia Wesleyan College), Education, Sociology.	
Murphy, Maude Alice	Indianola, Miss.
B.S. (Mississippi Delta State Teachers College), Mathematics.	
Myers, Emelyn Morton	Charleston, W. Va.
A.B. (Marshall College), Education.	
Naylor, Elizabeth	Mocksville, N. C.
A.B. (Woman's College of the University of North Carolina), Education, Sociology.	
Newlon, Merle Dwight	Flemington, W. Va.
A.B. (Alderson-Broadus College), Education.	
Norris, Robert Bayless	South Montrose, Pa.
B.S. (Mansfield State Teachers College), Education, Sociology.	
Oppenheim, Theodore Spivey	Crete, Nebr.
A.B. (Union University), B.D. (Yale University), Sociology, Education.	
Ordonez, Ella Jones	Norfolk, Va.
B.S. (Farmville State Teachers College), Education.	
Packard, Emerson Warren	Jersey Shore, Pa.
B.S. (Lock Haven State Teachers College), Education.	
Pafford, Ward	Valdosta, Ga.
A.B., A.M. (Emory University), English.	
Patterson, Charles William	Kennett Square, Pa.
B.S. (Shippensburg State Teachers College), Education.	

- Patton, Jessie Ellen
A.B. (Marshall College), English. Miami, Fla.
- Peach, Milton Oliver
B.S. (California State Teachers), Mathematics. Pittsburgh, Pa.
- Petty, Paul Vernon
B.S. (Arkansas State Teachers College), Education. DeWitt, Ark.
- Pew, Shelba Glenn
A.B. (Marshall College), Botany. Ona, W. Va.
- Pittman, Frances Harris
A.B. (Wesleyan College), English. Laurinburg, N. C.
- Porter, Aline
A.B. (Duke University), Education. Wilson, N. C.
- Porter, Elizabeth Jane
B.S. (Queens-Chicora College), Education, Sociology. Harrison, Nebr.
- Powell, James Dewey
B.S. (North Carolina State College), Education. Baltimore, Md.
- Price, James William
B.S. (Virginia Polytechnic Institute), English. Stuart, Va.
- Puckette, Cornelia Christine
A.B. (College of William and Mary), Education. Gladys, Va.
- Pugh, Griffith Thompson, Jr.
A.B. (University of South Carolina), English. Rock Hill, S. C.
- Purcell, James Slicer, Jr.
A.B. (John B. Stetson University), A.M. (Duke University), English. Clarksville, Ark.
- Purser, David Ingram, III
A.B. (Furman University), English. Birmingham, Ala.
- Pyle, Nova Ella
Ph.B. (University of Chicago), English. Chicago, Ill.
- Quarterman, Elsie
A.B. (Georgia State Womans College), Zoology. Ray City, Ga.
- Rankin, Charles Elmer
B.S. (Appalachian State Teachers College), Education. Shelby, N. C.
- Rankin, Mary Frances
A.B. (Duke University), History. Greensboro, N. C.
- Rasor, Charles Lewis
A.B. (Furman University), English. Kershaw, S. C.
- Rasor, Ellen Frances
A.B. (Winthrop College), Mathematics. Cross Hill, S. C.
- Rea, Katharine
B.S. (Mississippi Delta State Teachers College), History. Meridian, Miss.
- Reed, Cecil Malcom
B.S. (College of William and Mary), Education. Check, Va.
- Reger, Harley Blen
A.B. (Glennville State Teachers College), History. Ireland, W. Va.
- Retan, Edith Jeannette
B.S. (Mansfield State Teachers College), Education. Mansfield, Pa.
- Rhodes, Mary Eaton
B.S. (Madison College), Education. Norfolk, Va.
- Richardson, Sarah Evelyn
A.B. (Woman's College of the University of North Carolina), Education. Clayton, N. C.
- Rickman, Raymond Horatio
B.S. (College of William and Mary), Education. Critz, Va.
- Rigg, Ann Evangeline
A.B. (Fairmont State Teachers College), Education, Sociology. Parkersburg, W. Va.
- Riner, Richard Hickman
A.B. (Concord State Teachers College), Education. Union, W. Va.

Risner, Benjamin, Jr. A.B. (Union College), Sociology.	Calvin, Ky.
Robertson, Eleanor Virginia B.S. (East Tennessee State Teachers College), Education.	Johnson City, Tenn.
Robinson, James Seward, Jr. B.B.A. (Emory University), Education.	Plant City, Fla.
Robinson, Woodrow Thomas B.S. (Emory and Henry College), Education, Economics.	Wise, Va.
Robinson, Woodrow Wilson A.B. (King College), Education.	Bristol, Tenn.
Rodger, John Peter A.B. (Bethany College), Education.	Hooversville, Pa.
Rodgers, Charles Leland B.S. (Furman University), Zoology.	Simpsonville, S. C.
Rogers, Greene Titus A.B. (Wake Forest College), History.	Mamers, N. C.
Rohrbaugh, Daniel Woodrow A.B. (Franklin and Marshall College), History.	Sunbury, Pa.
Rollins, Roy Eugene A.B. (Elon College), A.M. (Duke University), Economics.	Salisbury, N. C.
Roman, Emerson Wendell B.S. (Muskogum College), Education.	Freeport, O.
Rone, Aubrey Homer B.S. (Mississippi Delta State Teachers College), History.	Jackson, Miss.
Rose, Gillis Norman B.S. (Murray State Teachers College), Education.	Ft. Lauderdale, Fla.
Rucker, Walter Lee A.B. (Presbyterian College), Education.	Holopaw, Fla.
Ruff, Robert Parks A.B. (Mercer University), Economics.	Sunny Side, Ga.
Salls, Helen Harriet A.B. (Randolph Macon Woman's College), A.M. (University of Virginia), English.	Oxford, N. C.
Salter, Harriet May A.B. (Dickinson College), History.	Altoona, Pa.
Sanders, Albert Neely A.B. (Furman University), Education.	Union, S. C.
Sandlin, Hiram Walter A.B. (College of Charleston), Education.	Charleston, S. C.
Sands, William Franklin, Jr. A.B. (University of Pennsylvania), English.	Washington, D. C.
Savery, Rosalie Kincannon A.B. (Mississippi State College for Women), Education.	Tupelo, Miss.
Scarborough, Beula Phillips A.B. (American International College), A.M. (Duke University), Education.	Charlemont, Mass.
Scarborough, Henry Baldwin A.B., A.M. (Duke University), Mathematics.	Mt. Gilead, N. C.
Schoenberger, Ruth Isobel A.B. (Duke University), English.	Princeton, N. J.
Scott, Bernice Murray B.S. (University of Cincinnati), Education.	Dayton, O.
Seay, Elizabeth Irene A.B. (University of Richmond), History.	Richmond, Va.
Settle, Joseph Hayward B.S. (University of Virginia), Education, Sociology.	Culpeper, Va.
Shellenberger, John Percival B.S. (Bloomsburg State Teachers College), English.	Danville, Pa.

- Sherry, John Joseph
B.S. (Temple University), Education. Mahanoy City, Pa.
- Shufflebarger, Irma Frances
B.S. (East Radford State Teachers College), English. Pennington Gap, Va.
- Shumpert, William Ocell
A.B. (Mississippi College), Education. Amory, Miss.
- Simonds, Gardner William
A.B. (University of New Hampshire), Education. Silver Spring, Md.
- Sinclair, Giles Merten
A.B. (Western State Teachers College), English. Lowell, Mich.
- Sinks, Helen Adelaide
B.S. (Miami University), Education. Troy, Ohio
- Skiles, Fern Othello
A.B. (Union University), Education. Ecu, Miss.
- Slay, Ronald Joseph
A.B. (Duke University), Education. Greenville, N. C.
- Sleichter, Martha Beryl
B.S. (Shippensburg State Teachers College), History. Shippensburg, Pa.
- Slusser, Glenn Albert
A.B. (Bluffton College), History. Amherst, O.
- Smith, Dorothy Elizabeth
A.B. (Mississippi State College for Women), Education. Iuka, Miss.
- Smith, Frank Malone
A.B. (University of Georgia), Education. Knoxville, Ga.
- Smith, Iva Dorcas
A.B. (Columbia College), English. Conway, S. C.
- Smith, Jonathan Marshall
A.B. (Davidson College), B.D. (Union Theological Seminary), Education. Newell, N. C.
- Smith, Margaret McMillan
A.B. (Florida State College for Women), Psychology. Gainesville, Fla.
- Smith, Miles Elbert
A.B. (Wofford College), English. Kings Creek, S. C.
- Smith, Ruby Elizabeth
A.B. (Glenville State Teachers College), Education. Clarksburg, W. Va.
- Smith, Virginia Alice
A.B. (Woman's College of the University of North Carolina), French. Gaffney, S. C.
- Snellgrove, Harold Sinclair
A.B. (Duke University), History. Meridian, Miss.
- Snuggs, Robert Marvin, Jr.
B.S. (University of Alabama), Education. Hartford, Ala.
- Snyder, Lula Cornelia
A.B. (Lander College), English. Greenwood, S. C.
- Souders, Floyd Benton, Jr.
A.B. (Duke University), Education. Fayetteville, N. C.
- Southerland, Beatrice Carver
A.B. (Duke University), Education, Sociology. Bahama, N. C.
- Sparks, Marye Remelle
A.B. (Athens College), English. Spruce Pine, Ala.
- Spencer, Alden Alva
A.B. (Salem College), Education, Economics. Salem, W. Va.
- Spencer, Dale Kirk
A.B. (Davidson College), A.M. (Duke University), Education. Grassy Creek, N. C.
- Starling, James Holt
A.B., A.M. (University of Alabama), Zoology. Troy, Ala.
- Starnes, Charles Fugate
A.B. (Milligan College), Education, Psychology. Gate City, Va.

Steele, Andrew Jackson	Emory, Va.
B.S. (Emory and Henry College), Education, Political Science.	
Steelman, Ruth Amber	Hickory, N. C.
A.B. (Lenoir-Rhyne College), Education.	
Stewart, Paul Dekker	Washington College, Tenn.
A.B. (Hope College), A.M. (Duke University), Political Science.	
Stone, Robert Ott	Athens, W. Va.
A.B. (Concord State Teachers College), Education.	
Stoutamire, Frederick Ashton, Jr.	Richmond, Va.
A.B., A.M. (University of Richmond), Psychology, Education.	
Stripling, Edna Harriette	Birmingham, Ala.
A.B. (Alabama College), French.	
Stroude, Alice Pauline	Findlay, O.
A.B. (Findlay College), Education.	
Strowd, Peggy Anne	Durham, N. C.
A.B. (Duke University), English.	
Swendiman, Dorothy Della	Tampa, Fla.
A.B. (Flora Macdonald College), English.	
Sypher, Ruth Margaret	Picture Rocks, Pa.
B.S. (Mansfield State Teachers College), Education.	
Talbot, Nandes Simons	Miami, Fla.
A.B. (University of Miami), Education.	
Taylor, Ellis Bruce	Canandaigua, N. Y.
B.S. (Hobart College), Education.	
Teagarden, Lucetta Jane	Carmichaels, Pa.
A.B. (Wilson College), A.M. (Duke University), English.	
Thomas, Nettie Florence	Oak Hill, W. Va.
A.B. (Concord State Teachers College), Zoology.	
Thompson, Clarence Edward	Freedom, Pa.
B.S. (Geneva College), Mathematics.	
Thompson, Sidney Lee	Auburn, Ala.
B.S. (Birmingham-Southern College), M.S. (Tulane University), Mathematics.	
Tipping, Hazel Ruth	Mandaria, Fla.
A.B. (Duke University), Education.	
Togneri, Lila Clementine	Rock Hill, S. C.
A.B. (Winthrop College), Education, Psychology.	
Tomeny, Rose Nell	New Orleans, La.
A.B. (Loyola University), English.	
Trewhitt, Katharine Alice Lowrey	Cleveland, Tenn.
A.B. (University of Chattanooga), English.	
Turner, Mildred Elizabeth	Chickasha, Okla.
A.B. (Oklahoma College for Women), A.M. (Oklahoma Agricultural and Mechanical College), Education.	
Turner, Robert Love	Lex, W. Va.
A.B. (Marshall College), Education.	
Tyer, Lena Mae	Malvina, Miss.
B.S. (Mississippi Delta State Teachers College), Education.	
Umstot, Lena Mabel	Keyser, W. Va.
A.B. (Shepherd State Teachers College), Education, Sociology.	
Vick, Giles Wesley, Jr.	Greensboro, N. C.
A.B. (Duke University), Education.	
Villaume, John Charles	Honesdale, Pa.
A.B. (Gettysburg College), Political Science.	
Viser, Janis Marie	Greenville, S. C.
A.B. (Furman University), Education.	

- Voelpel, Agatha Gayle
A.B. (Randolph-Macon Woman's College), French. Fulton, Ky.
- Wade, Thelma
A.B. (Bessie Tift College), Education. Sasser, Ga.
- Walker, Lela Samantha
A.B. (University of Kentucky), English. Saxton, Ky.
- Wall, Harriett Euphrasia
A.B. (Mercer University), Education. Cadwell, Ga.
- Wallis, Carlton Lamar
A.B. (Mississippi College), English. Blue Springs, Miss.
- Walsh, Mary Katherine
B.S. (College of Charleston), English. Charleston, S. C.
- Webb, Lester Dell
A.B. (Mississippi College), Education. Sweatman, Miss.
- Weller, Grace Harlowe
A.B. (Maryville College), English. Canmer, Ky.
- Welshans, Freel Gardner
A.B. (Shepherd State Teachers College), Education. Shepherdstown, W. Va.
- Whiting, Sara Maysel
A.B. (Glenville State Teachers College), Education. Spencer, W. Va.
- Whitman, Ruth Jane
A.B. (Marshall College), Education. Charleston, W. Va.
- Wiggins, Samuel Paul
B.S. (South Georgia Teachers College), Education. Dublin, Ga.
- Wilfong, Mildred Elizabeth
A.B. (Florida State College for Women), Education. Tallahassee, Fla.
- Williams, Louis Gressett
A.B. (Marshall College), Botany. Milton, W. Va.
- Williams, Melvin John
A.B., B.D. (Duke University), Sociology. Durham, N. C.
- Williams, Ruby Malinda
A.B. (Greensboro College), Zoology. Reidsville, N. C.
- Willis, Margaret Carter
A.B. (East Carolina Teachers College), Education. New Bern, N. C.
- Willis, Mary Frances
A.B. (Florida State College for Women), Education, English. Jacksonville, Fla.
- Wilson, Elizabeth Andrews
A.B. (Florida State College for Women), History. Tampa, Fla.
- Wilson, Graves Humbert
A.B., B.S. (Furman University), A.M. (Duke University), English. Georgetown, Ky.
- Wilson, Raymond G.
B.S. (Memphis State Teachers College), Education. Union City, Tenn.
- Wolfarth, William
A.B. (Otterbein College), Education. Canton, O.
- Wonder, Craig Earl
A.B. (Juniata College), French. Martinsburg, Pa.
- Wood, John Wesley
A.B. (Duke University), Zoology. Hanes, N. C.
- Woodruff, Carmen Moore
A.B. (Georgia State Teachers College), English. Walnut Grove, Ga.
- Wynn, Lawrence
A.B. (Emory University), English. Milledgeville, Ga.
- Young, Laura Newell
A.B. (Florida State College for Women), English. West Palm Beach, Fla.

Young, William Alson	Coopersburg, Pa.
B.S. (Muhlenberg College), Education.	
Young, Worth John	Emory, Va.
B.S. (Emory and Henry College), Mathematics, Physics.	

THE DIVINITY SCHOOL

SENIOR YEAR

Andes, William Jacob	Harrisonburg, Va.
A.B., Elon College, 1935.	
Arthur, Charles Ralph	Richmond, Va.
B.S., University of Richmond, 1938.	
Autry, John Duncan Asbury	Kinnekeet, N. C.
A.B., Duke University, 1929;	
A.M., Duke University, 1937.	
Biggers, Sherrill Bost	Albemarle, N. C.
B.Ph., Emory University, 1937.	
Blackburn, Linwood Earl	Fayetteville, N. C.
A.B., Duke University, 1938.	
Boddie, Wyatt David	Morgan City, La.
A.B., Centenary College, 1937.	
Boone, Sidney Grant	Cofield, N. C.
A.B., Duke University, 1934.	
Booth, Luther Lambuth	New Orleans, La.
A.B., Tulane University, 1938.	
Brabham, Angus McKay, Jr.	Orangeburg, S. C.
A.B., University of South Carolina, 1937.	
Bridewell, Joseph Albert	Columbia, Miss.
A.B., Millsaps College, 1938.	
Brock, Edwin Lawrence	New Orleans, La.
A.B., Tulane University, 1938.	
Conley, George Frederick	Marion, N. C.
A.B., Wofford College, 1938.	
Cooke, Jack	Minden, La.
A.B., Centenary College, 1938.	
Crumpton, Sidney Randolph	Sumter, S. C.
A.B., Wofford College, 1932.	
Dawson, Dana	Shreveport, La.
A.B., Centenary College, 1938.	
Duncan, Floyd Alexander	Lincolnton, N. C.
A.B., Wofford College, 1938.	
Evans, Joseph Claude	Columbia, S. C.
A.B., Wofford College, 1937.	
Everett, Thomas D., Jr.	Fairview, Ky.
A.B., Kentucky Wesleyan College, 1938.	
Freeman, William Lawrence	Greensboro, N. C.
A.B., Asbury College, 1937.	
Galloway, Benedict Atkins	Raleigh, N. C.
A.B., Louisiana State University, 1938.	
Garrison, Robert Edmund	South Franklin, Va.
A.B., Randolph-Macon College, 1937.	
Glenn, Henry Clarence, III	Eufaula, Ala.
A.B., Duke University, 1938.	
Gray, Alan DeLeon	Brighton, Ala.
A.B., Birmingham-Southern College, 1938.	
Heffner, William Frank	Maiden, N. C.
A.B., Wofford College, 1938.	

- Hendrix, Thomas Christian
A.B., DePauw University, 1938.
- Inge, John Wesley
A.B., Lynchburg College, 1938.
- Miller, Irving Roscoe
A.B., Catawba College, 1938.
- Nesbitt, Marion Wilson
A.B., Lenoir-Rhyne College, 1938.
- Nicholson, Ralph Herman
A.B., Lenoir-Rhyne College, 1937.
- O'Neal, Ernest Elijah
B.S., University of Mississippi, 1935.
- Overton, Ernest Golden
A.B., Duke University, 1925.
- Parker, Carl Lafayette
A.B., Wofford College, 1938.
- Prentis, Edward Walker
A.B., Evansville College, 1938.
- Queen, Virgil Erwin
A.B., Catawba College, 1937.
- Rustin, Lee D.
A.B., Arizona State Teachers College, 1938.
- Shackford, Joseph Temple
A.B., Duke University, 1934.
- Simpson, Harold Ross
A.B., Catawba College, 1937.
- Stamey, Robert Henry
A.B., Duke University, 1939.
- Taylor, Key Wesley
B.R.E., Gordon College, 1936.
- Teer, Harold Benton
A.B., Centenary College, 1938.
- Thompson, Walter Rowe
A.B., Duke University, 1938.
- Waggoner, Brooks Milton
A.B., University of Arkansas, 1938.
- Georgetown, Ill.
- Forest, Va.
- Salisbury, N. C.
- Gastonia, N. C.
- Louisburg, N. C.
- Springfield, Mass.
- Fayetteville, N. C.
- Little Rock, S. C.
- Owensboro, Ky.
- Carrboro, N. C.
- Pacific Palisades, Calif.
- Clyde, N. C.
- Durham, N. C.
- Lawndale, N. C.
- Walstonburg, N. C.
- Hall Summit, La.
- Winston-Salem, N. C.
- Stilwell, Okla.

MIDDLE YEAR

- Andrews, Joseph Russell
A.B., Wofford College, 1939.
- Boyd, George Hilliard
A.B., Roanoke College, 1936.
- Branch, Douglas McKinley
A.B., Wake Forest College, 1937.
- Bromley, Ernest Raymond
B.S., Boston University, 1939.
- Caldwell, Joseph Edmund
A.B., Lenoir-Rhyne College, 1939.
- Carruth, Paul
B.S., Millsaps College, 1939.
- Cooke, Ross Alton
A.B., Birmingham-Southern College, 1938.
- Culp, William B. A.
A.B., American University, 1939.
- Davis, William Dixon
A.B., University of South Carolina, 1939.
- Dollar, Melvin
A.B., Elon College, 1939.
- Lake Toxaway, N. C.
- Patrick Springs, Va.
- Cary, N. C.
- Bath, N. C.
- Hickory, N. C.
- McComb, Miss.
- Birmingham, Ala.
- Gold Hill, N. C.
- Mullins, S. C.
- Malone, Ala.

Lindsey, Jordan Allen, Jr. A.B., Millsaps College, 1933.	Pelahatchie, Miss.
Lyu, Kingsley Kyungsang A.B., Chosen Christian College, 1929; B.S., Syracuse University, 1938; M.A., Syracuse University, 1939	Seoul, Korea
Mackay, Donald Mason A.B., Emory University, 1938.	Atlanta, Ga.
Meacham, Benjamin Franklin A.B., Duke University, 1936.	Siler City, N. C.
Mooney, Robert Cleveland, Jr. A.B., Birmingham-Southern College, 1939.	Wilsonville, Ala.
Moorman, Julian Pierce, Jr. A.B., Emory and Henry College, 1939.	Bristol, Va.
Patten, Brooks A.B., University of North Carolina, 1939.	Louisburg, N. C.
Powell, John James A.B., Lenoir-Rhyne College, 1939.	Mooresville, N. C.
Rogers, James Edwin A.B., Atlantic Christian College, 1939.	Raleigh, N. C.
Scott, LeRoy Alexander A.B., Duke University, 1939.	Kannapolis, N. C.
Shannon, Charles Eugene A.B., Duke University, 1939.	Monroe, N. C.
Stevens, Wyatt Millard A.B., Elon College, 1936.	Burlington, N. C.
Stone, Joseph Lesley A.B., William and Mary College, 1939.	Williamsburg, Va.
Strickland, Thomas Edward A.B., High Point College, 1939.	High Point, N. C.
Tyte, Wilbur Henry A.B., University of Texas, 1933; A.M., University of Texas, 1939.	San Antonio, Tex.
Vaughan, Robert Akers A.B., Centenary College, 1937.	San Antonio, Tex.
Wheeler, Kermit A.B., Atlantic Christian College, 1939.	Rougemont, N. C.
Wilkinson, Howard Charles A.B., Southwestern University, 1939.	Katy, Tex.

JUNIOR YEAR

Andes, Carey Atkins A.B., Greensboro College, 1940.	High Point, N. C.
Beard, John S. A.B., Central College, 1940.	St. Louis, Mo.
Bedenbaugh, Kenneth Wilson B.S., Wofford College, 1940.	Hartsville, S. C.
Benson, Clark William A.B., Wofford College, 1940.	Salisbury, N. C.
Brown, Byron Roy A.B., Morningside College, 1940.	Sioux City, Iowa
Cagle, John Frank A.B., High Point College, 1940.	Eldorado, N. C.
Carroll, Howard A.B., University of Richmond, 1938.	Easton, Md.
Carter, James Edwin B.S., Appalachian State Teachers College, 1940.	Danville, Va.
Caviness, Woodrow Darlington A.B., Wofford College, 1940.	Siler City, N. C.

- Cooper, Joel Aubrey
A.B., Hendrix College, 1940.
- Cravens, Byron Clay
A.B., Hendrix College, 1940.
- Crutchfield, Gilbert Wesley
A.B., Asbury College, 1940.
- Culbreth, George Bernice
A.B., Duke University, 1940.
- Edwards, William Alpheus
A.B., Randolph-Macon College, 1940.
- Francisco, Ross
A.B., Emory and Henry College, 1940.
- Hilbert, John Cassell
A.B., Dickinson College, 1940.
- Ingram, Osmond Kelly
A.B., Birmingham-Southern College, 1940.
- Jordan, John Sharpe
A.B., Duke University, 1940.
- Judy, Carl Wesley
A.B., Morris Harvey College, 1940.
- Kesler, Robert Harris
A.B., Randolph-Macon College, 1940.
- Leppard, LeRoy DeKalb
Ph.B., University of Chicago, 1928.
- Little, Brooks Bivens
A.B., Duke University, 1941.
- McCoy, Lewistine Martin
A.B., Kentucky Wesleyan College, 1940.
- McKenry, John Archibald, Jr.
A.B., Fairmont State Teachers College, 1940.
- Major, James Edward
A.B., Hendrix College, 1940.
- Maxwell, Asmond Leonard
A.B., Emory University, 1940.
- Medlin, William Tracy, Jr.
A.B., Wofford College, 1940.
- Mercer, Charles Henry
A.B., Wofford College, 1940.
- Merchant, James William
A.B., Randolph-Macon College, 1940.
- Miller, Gilbert Shelly
A.B., Lenoir-Rhyne College, 1940.
- Rainwater, Roland William, Jr.
A.B., Wofford College, 1940.
- Reed, Ralph Lee
A.B., Emory University, 1940.
- Rice, John Edward
B.S., Florida Southern College, 1940.
- Ruckman, Lee Van, Jr.
A.B., Emory and Henry College, 1940.
- Scofield, Fon Hulester
A.B., Wake Forest College, 1940.
- Sharpe, Charles Cleveland, Jr.
A.B., High Point College, 1940.
- Steele, Chester Raymond
A.B., Centenary College, 1940.
- Stubbs, David Leon, Jr.
A.B., Duke University, 1940.
- Paragould, Ark.
- Walnut Ridge, Ark.
- Sanford, N. C.
- Chapel Hill, N. C.
- Courtland, Va.
- Bluefield, W. Va.
- Catonsville, Md.
- Birmingham, Ala.
- Mount Airy, N. C.
- Charleston, W. Va.
- Roanoke, Va.
- Wendell, N. C.
- Durham, N. C.
- Lexington, Ky.
- Lynchburg, Va.
- Little Rock, Ark.
- Elberton, Ga.
- Raleigh, N. C.
- Lumberton, N. C.
- Kearneysville, W. Va.
- Statesville, N. C.
- Roberdell, N. C.
- Monroe, N. C.
- Montgomery, Ala.
- Lexington, Va.
- Youngsville, N. C.
- Greensboro, N. C.
- Shelbyville, Tex.
- Aurora, N. C.

Thumm, Milford Vernon A.B., Morris Harvey College, 1940.	Charleston, W. Va.
Walker, Judith Clement A.B., Duke University, 1941.	Durham, N. C.
Wellons, Albert Wilson A.B., Lenoir-Rhyne College, 1940.	Wilkesboro, N. C.
Whitesel, John Asbury A.B., Randolph-Macon College, 1940.	Washington, D. C.

SPECIAL STUDENT

Coble, Joseph Fillmore A.B., High Point College, 1934; S.T.B., Westminster Theological Seminary, 1937.	Burlington, N. C.
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JUNALUSKA SCHOOL OF RELIGION

Ashworth, Kathryn Clero Florida Southern College.	Greensboro, Fla.
Beadle, Winans Fletcher A.B., Asbury College, 1932.	Canton, N. C.
Bowler, Ruth Cook B.S., Florida State College, 1917.	West Palm Beach, Fla.
Bright, Edna Perry Western Carolina Teachers College.	Waynesville, N. C.
Burns, William Reece A.B., Salem College, 1935.	Lost Creek, W. Va.
Corbitt, Charles Anson A.B., Birmingham-Southern College, 1939.	Montgomery, Ala.
Dobson, Anna Lula B.C.S., Eastman College, 1908.	Dobson, N. C.
Evans, Joseph Claude A.B., Wofford College, 1937.	Columbia, S. C.
Evans, Maxilla Everett B.S., North Carolina State College, 1940.	Columbia, S. C.
Furness, Thomas Adrian A.B., Elon College, 1939.	Canton, N. C.
Livermore, Mary Hoyland A.B., Adelphi College, 1905.	Pembroke, N. C.
Low, Frederick Charles A.B., Franklin and Marshall College, 1937; B.D., Union Theological Seminary, 1940.	Senatobia, Miss.
Medford, Mildred Western Carolina Teachers College.	Waynesville, N. C.
Price, Edgar Conrad B.S., Western Carolina Teachers College, 1938.	Clyde, N. C.
Rush, Mildred Brandon A.B., Emory and Henry College, 1938.	Abingdon, Va.
Rustin, Lee D. A.B., Arizona State Teachers College, 1938.	Pacific Palisades, Calif.
Setzer, Estelle Hyde North Carolina State College.	Dellwood, N. C.
Silverthorne, Margarette Dixie A.B., Atlantic Christian College, 1928.	Lake Landing, N. C.
Spratt, Betty Killian Presbyterian College.	Clinton, S. C.
Stokes, Agnes Mary A.B., Randolph-Macon Woman's College, 1906; A.M., New York University, 1930.	Kenbridge, Va.
Strickland, Thomas Edward A.B., High Point College, 1939.	High Point, N. C.

Thompson, Claude Holmes A.B., Asbury College, 1932.	Mitchellville, Md.
Varner, Carroll A.B., Millsaps College, 1938.	West Palm Beach, Fla.
Wallace, Anna Mary Millsaps College.	Poplarville, Miss.
Ward, Flora Mae B.S., Western Carolina Teachers College, 1936.	Lake Junaluska, N. C.
Wyman, Louvica Henrietta Western Carolina State Teachers College.	Waynesville, N. C.

THE SCHOOL OF LAW

FIRST YEAR

Arwe, Kenneth Jay A.B., Dartmouth College, 1940.	Keene, N. H.
Bonk, Henry Francis B.S., American International College, 1940.	Hartford, Conn.
Canavan, Charles Paul B.A., American International College, 1940.	West Springfield, Mass.
Carmichael, Oliver Cromwell, Jr. B.A., Vanderbilt University, 1940.	Nashville, Tenn.
Cockey, John Owings, Jr. Ph.B., Dickinson College, 1940.	Glyndon, Md.
Dailey, Frank Walter Duke University, 1937-40.	Dunkirk, N. Y.
Dube, Bertram James A.B., Duke University, 1940.	Hudson Falls, N. Y.
Emig, Russell Stewart A. B., Albion College, 1940.	Detroit, Mich.
Frase, Milan E. A.B., Kent State University, 1940.	Cuyahoga Falls, Ohio
Golis, Paul A.B., Albright College, 1940.	New Milford, Pa.
Greenwood, Porter A.B., Duke University, 1939.	Lebanon, Va.
Henderson, Charles Jenkins Duke University, 1937-40.	Charlotte, N. C.
Hesselgren, Oliver Gilbert, Jr. E.M., Colorado School of Mines, 1940.	Ft. Thomas, Ky.
Krug, Orland Harry A.B., The Municipal University of Wichita, 1940.	Hoisington, Kan.
Latham, James Farr Duke University, 1937-40.	Wadesboro, N. C.
Lofton, John Marion, Jr. B.S., College of Charleston, 1940.	McClellanville, S. C.
Lyle, John Robert A.B., Duke University, 1940.	Bloomsberg, Pa.
McCarten, George Campbell, Jr. A.B., Baker University, 1940.	Kansas City, Kan.
McDermott, Raymond Lipscomb Duke University, 1937-40.	Durham, N. C.
Mackay, James Armstrong A.B., Emory University, 1940.	Atlanta, Ga.
Martin, Sidney Allen A.B., The Municipal University of Wichita, 1940.	Pratt, Kan.
Mimms, Carney Wilson University of Florida, 1937-39, Duke University, 1939-40.	Ocala, Fla.

Moore, Robert Field Duke University, 1937-40.	Trenton, N. J.
Morrow, Henry Walton Shepherd State Teachers College, 1936-40.	Shepherdstown, W. Va.
Pattillo, Charles Leon B.S., Arkansas State Teachers College, 1940.	Stuttgart, Ark.
Roberts, Leo Wilson A.B., Fairmont State Teachers College, 1940.	St. Albans, W. Va.
Russell, Henry Hawley A.B., Duke University, 1940.	Coral Gables, Fla.
Rutledge, Ivan Cate A.B., Carson-Newman College, 1934; A.M., Duke University, 1940.	Cleveland, Tenn.
Shepard, Sam Groover B.A., Furman University, 1940.	New Orleans, La.
Sigmon, Jackson Marcus A.B., University of Pittsburgh, 1938; M.A., Tufts	Bethlehem, Pa.
Smart, Tom Davis Duke University, 1937-40.	College, 1939.
Smith, Edward Sherman B.S., Pennsylvania State College, 1935.	Fort Smith, Ark.
Tally, Joseph Oscar, Jr. A.B., Duke University, 1940.	Scarsdale, N. Y.
Teel, Harry Rudd B.S., Howard College, 1940.	Fayetteville, N. C.
Winston, Robert Tunstall, Jr. A.B., Randolph-Macon College, 1940.	Rockford, Ala.
Wolters, William Gustave Northwestern University School of Commerce, 1937-40.	Hanover, Va.
Worrill, Edmund Hood Georgia School of Technology, 1937-38; Duke University, 1938-40.	Chicago, Ill.
	Leesburg, Fla.

SECOND YEAR

Ault, William Reigen B.S., A.B., Kent State University, 1938.	Doylestown, Ohio
Berkemeyer, Donald Johnston A.B., Oberlin College, 1939.	Webster Groves, Mo
Bole, Henry Ferdinand A.B., Duke University, 1939.	Elmhurst, N. Y.
Boutwell, Rufus Cecil, Jr. A.B., Duke University, 1940.	Durham, N. C.
Breckenridge, John B. A.B., William Jewell College, 1939.	Plattsburg, Mo.
Brown, B. Horace B.A., Maryville College, 1939.	Maryville, Tenn.
Brown, Milton Haynes B.S. in Commerce, Carson-Newman College, 1939.	Erwin, Tenn.
Carnahan, A. Vernon A.B., Brothers College, Drew University, 1939.	Saltsburg, Pa.
Cook, Nicholas Charles B.S., Catholic University of America, 1937.	Charleston, W. Va.
Donovan, Frank X. A.B., Elon College, 1939.	Floral Park, N. Y.
Doyle, James Jerome B.A., Rutgers University, 1939.	Morristown, N. J.
Everett, Robert James A.B., Duke University, 1940.	Kingston, N. Y.
Fogle, Charles D., Jr. A.B., Marietta College, 1939.	Marietta, Ohio

- Fuller, Donald Whitcomb
A.B., Hamilton College, 1939.
- Fuston, Sam Del
A.B., Duke University, 1940.
- Hambrick, Jackson Reid
A.B., Wofford College, 1938.
- Lamberson, Ralph Tiffin
A.B., University of Michigan, 1938.
- Lohr, William James
A.B., Baldwin-Wallace College, 1939.
- Lundholm, John Edward
A.B., Catawba College, 1939.
- McCall, Samuel Horace, Jr.
B.S., Davidson College, 1939.
- Metz, Jean Lois
Duke University, 1936-39.
- Nelson, Frederick
A.B., University of Washington, 1939.
- Owens, Herman Franklin, Jr.
The Citadel, 1936-37; Duke University, 1937-39.
- Pollack, George Bernhardt
B.A., Rutgers University, 1939.
- Ralston, Adolph Henry
A.B., Duke University, 1940.
- Repko, John Francis
A.B., Temple University, 1939.
- Richardson, C H, Jr.
A.B., Bucknell University, 1938; A.M., 1939.
- Truesdale, Sidney Louis
A.B., Duke University, 1939.
- Unger, Maurice Albert
A.B., Duke University, 1940.
- Varlan, Nicholas Peter
A.B., Syracuse University, 1939.
- Winger, Maurice
A.B., William Jewell College, 1939.
- Endicott, N. Y.
- Murfreesboro, Tenn.
- Spartanburg, S. C.
- Colon, Mich.
- Bay Village, Ohio
- Wildwood, N. J.
- Troy, N. C.
- Jersey City, N. J.
- Seattle, Wash.
- Fountain, N. C.
- Perth Amboy, N. J.
- Middlesboro, Ky.
- Freeland, Pa.
- Lewisburg, Pa.
- Winston-Salem, N. C.
- Patchogue, N. Y.
- Rochester, N. Y.
- Kansas City, Mo.

THIRD YEAR

- Arst, Norton Jerome
A.B., Louisiana State University, 1938.
- Barkman, Francis Elwood
A.B., St. John's College, 1938.
- Bragg, Harold Hoffman
A.B., Baker University, 1938.
- Carr, Aute Lee
A.B., Butler University, 1938.
- Coopridge, Virgil Wayne
A.B., Kansas State Teachers College, 1938.
- Dixon, Daniel Robert
A.B., The College of William and Mary, 1937.
- Fischer, Charles Henry, Jr.
A.B., Duke University, 1938.
- Frampton, George Thomas
A.B., Duke University, 1938.
- Gentithes, George Harry
A.B., Mount Union College, 1938.
- Gordon, Eugene Andrew
A.B., Elon College, 1940.
- Drew, Miss.
- Cumberland, Md.
- Dodge City, Kan.
- Grover Hill, Ohio
- Pawnee, Okla.
- Rocky Mount, N. C.
- West Haven, Conn.
- Scarsdale, N. Y.
- Warren, Ohio
- Brown Summit, N. C.

Harvey, Thomas William, Jr. A.B., Marshall College, 1939.	Huntington, W. Va.
Horack, Benjamin Shambaugh A.B., Duke University, 1939.	Durham, N. C.
Kerr, Ben Ransom A.B., Duke University, 1939.	Murfreesboro, Tenn.
Leavenworth, Robert Wing A.B., Duke University, 1938.	New Haven, Conn.
Lenox, Walter Stanley A.B., Duke University, 1938.	Ridgefield Park, N. J.
Lipscomb, Woodrow Pershing A.B., Duke University, 1938.	Hinton, W. Va.
McCormack, Edward Joseph A.B., University of Newark, 1935; B.S., Rutgers University, 1937.	Irvington, N. J.
Mack, Edwin Van Tuyl A.B., Duke University, 1938.	Rutherfordton, N. C.
Malone, William Frank A.B., Western Maryland College, 1938.	Allen, Md.
Marshall, Archibald George A.B., Duke University, 1939.	Branford, Conn.
Mattocks, James Richardson A.B., High Point College, 1938.	High Point, N. C.
Mims, Frank Meyer B.A., The University of New Mexico, 1938.	Mountainair, N. M.
Moore, Hervey Studdiford, Jr. A.B., Duke University, 1939.	Trenton, N. J.
Moran, John William A.B., Lenoir-Rhyne College, 1938.	North Platte, Neb.
Moscoso, Guillermo University of Puerto Rico, 1932-35.	Mayaguez, P. R.
Rebman, Andrew Frederick, III A.B., Duke University, 1938.	Courtland, Ala.
Schultz, Herman Louis, Jr. B.S., State University of Iowa, 1938.	Belmond, Iowa
Sink, Henry Harrison A.B., Duke University, 1939.	Greensboro, N. C.
Smith, LaRue, Jr. Stanford University, 1933-35; Montana State University, 1935-38.	Great Falls, Mont.
Smith, Numa Lamar, Jr. B.A., Furman University, 1938.	High Point, N. C.
Stack, Warren Carlisle A.B., Duke University, 1939.	Monroe, N. C.
Watson, William Harry, Jr. A.B., Dartmouth College, 1938.	Keene, N. H.
Wherrett, Norman Lewis A.B., Duke University, 1938.	Wilmington, Del.
Williams, Berry Collins A.B., Duke University, 1938.	Fayetteville, Tenn.
Williams, Bill Justin A.B., Duke University, 1938.	Fayetteville, Tenn.

GRADUATE STUDENTS

McKenna, Robert Allen A.B., Dartmouth College, 1932; LL.B., University of Pittsburgh, 1936.	Miami Beach, Fla.
Reese, Seward Phillips A.B., West Virginia Wesleyan College, 1926; M.A., University of Michigan, 1931; J.D., Indiana University, 1935.	Durham, N. C.

UNCLASSIFIED STUDENTS

Neeley, William Walter	Durham, N. C.
LL.B., University of Arkansas, 1939.	
Silk, Leonard M.	Atlantic City, N. J.
A.B., University of Wisconsin, 1940.	
Watson, John Dargan	Durham, N. C.
A.B., Furman University, 1925; B.S., University of North Carolina, 1928; M.S., 1932; Sc.D., Harvard University, 1940.	

THE SCHOOL OF MEDICINE

FIRST YEAR

<i>Name and Preparation</i>	<i>Home Address</i>	<i>University Address</i>
Paul McBee Abernethy.....	Avondale, N. C.....	Few Quadrangle, House GG.
<i>Wofford College.</i>		
Fred Houdlett Albee, Jr.....	New York City.....	Few Quadrangle, House FF.
<i>Duke University.</i>		
Albert Jerviss Alter.....	Toledo, Ohio.....	1000 Lamond Ave., Durham, N. C.
<i>Yale University.</i>		
Robert Lester Baeder.....	Nutley, N. J.....	Few Quadrangle, House GG.
<i>Duke University.</i>		
Albert Lawrence Banks.....	Summerfield, N. J.....	Few Quadrangle, House FF.
<i>Duke University.</i>		
Arthur Jay Bassell.....	New York City.....	Few Quadrangle, House FF.
<i>University of Virginia.</i>		
Frank Cutchin Bone.....	Rocky Mount, N. C.....	Few Quadrangle, House FF.
<i>Duke University.</i>		
Robert Alexander Broome, Jr....	Rocky Mount, N. C....	708 Buchanan Road, Durham, N. C.
<i>Duke University.</i>		
John Edward Cann.....	Greensboro, N. C.....	Few Quadrangle, House FF.
<i>Duke University.</i>		
Jesse Whilden Carll, IV.....	Bridgeton, N. J.....	Few Quadrangle, House FF.
<i>Duke University.</i>		
Lee Marion Cole, Jr.....	Christiansburg, Va.....	Few Quadrangle, House GG.
<i>Virginia Polytechnic Institute</i>		
William Crocket Covey, Jr.....	Beckley, W. Va.....	Few Quadrangle, House FF.
<i>Duke University.</i>		
John Thomas Crowe, IV.....	Peverly, Mo.....	Few Quadrangle, House FF.
<i>Central College.</i>		
George Gordon Culbreth.....	New Bern, N. C.....	Few Quadrangle, House HH.
<i>Duke University.</i>		
Robert Whitney Curry.....	Bradenton, Fla.....	708 Buchanan Road, Durham, N. C.
<i>Duke University.</i>		
Thomas Brantley Daniel.....	Oxford, N. C.....	Few Quadrangle, House HH.
<i>Davidson College.</i>		
William Ralph Deaton, Jr.....	Greensboro, N. C.....	Few Quadrangle, House FF.
<i>Guilford College.</i>		
James William Dickey, Jr.....	Fort Lauderdale, Fla.....	Few Quadrangle, House GG.
<i>Georgia School of Technology; University of Michigan; Duke University.</i>		
Charles Kondall Donogan.....	Largo, Fla.....	Few Quadrangle, House FF.
<i>St. Petersburg Junior College; Duke University.</i>		
William McCoy Eagles.....	Fountain, N. C.....	Few Quadrangle, House GG.
<i>Duke University.</i>		
Elmer William Erickson.....	Irwin, Pa.....	918 Urban Ave., Durham, N. C.
<i>Duke University.</i>		

<i>Name and Preparation</i>	<i>Home Address</i>	<i>University Address</i>
Marvin McCall Gibson..... <i>University of Georgia;</i> <i>Duke University.</i>	Douglas, Ga.....	Few Quadrangle, House GG.
John Capers Glenn, Jr..... <i>Junior College of Kansas City, Mo.;</i> <i>Central College, Fayette, Mo.</i>	Raleigh, N. C.....	Few Quadrangle, House GG.
Nathaniel Banks Glover..... <i>The Citadel.</i>	Newnan, Ga.....	Few Quadrangle, House GG.
Lawrence Elliott Gordon, Jr..... <i>Emory and Henry College;</i> <i>University of Virginia;</i> <i>Emory and Henry College.</i>	Marion, Va.....	Few Quadrangle, House GG.
Emil Joseph Graham..... <i>Brevard College;</i> <i>University of North Carolina;</i> <i>Duke University.</i>	Naranja, Fla.....	Few Quadrangle, House HH.
Alfred Edward Gras..... <i>Harvard College.</i>	Cambridge, Mass.....	Few Quadrangle, House FF.
Harold Houston Hawfield..... <i>Duke University.</i>	Willard, N. C.....	708 Buchanan Road, Durham, N. C.
Thomas Roy Hazelrigg..... <i>Montana University.</i>	Missoula, Mont.....	Few Quadrangle, House GG.
Robert Pinckard Henderson..... <i>Kalamazoo College;</i> <i>Western State Teachers College.</i>	Kalamazoo, Mich.....	Few Quadrangle, House GG.
Wilks Otho Hiatt, Jr..... <i>Duke University;</i> <i>University of Virginia.</i>	Savannah, Ga.....	Few Quadrangle, House FF.
Eugene Leroy Horger, Jr..... <i>Duke University.</i>	Columbia, S. C.....	Few Quadrangle, House FF.
Robert Darley Horne..... <i>University of Georgia.</i>	Cordele, Ga.....	Few Quadrangle, House GG.
James Mayhew Ingram, Jr..... <i>University of Tampa;</i> <i>Duke University.</i>	Tampa, Fla.....	Few Quadrangle, House FF.
Martin Evans Jones, Jr..... <i>Duke University.</i>	Granite Falls, N. C....	708 Buchanan Road, Durham, N. C.
William Edward Leeper, Jr..... <i>Duke University.</i>	Gastonia, N. C.....	Few Quadrangle, House FF.
Ralph Harold Lusher..... <i>Marshall College.</i>	Huntington, W. Va.....	University Apts., Durham, N. C.
Francis H. McCullough, Jr..... <i>Columbia College.</i>	New York City.....	Few Quadrangle, House GG.
Hugh Archie Matthews..... <i>Campbell Junior College;</i> <i>Wake Forest College;</i> <i>University of North Carolina;</i> <i>Yale University.</i>	Canton, N. C.....	Few Quadrangle, House FF.
Richard Hoyt Mayne..... <i>University of Arizona.</i>	Miami, Fla.....	Few Quadrangle, House GG.
James Goodwin Mixson..... <i>University of Florida</i>	Tampa, Fla.....	Few Quadrangle, House GG.
James Donaldson Moody..... <i>Duke University.</i>	East Brady, Pa.....	Few Quadrangle, House GG.
Horace Lee Morgan..... <i>Duke University;</i> <i>University of S. C.</i>	Savannah, Ga.....	1006 Knox St., Durham, N. C.
Arthur Allen Morris, Jr..... <i>Duke University.</i>	Winston-Salem, N. C....	Few Quadrangle, House FF.
William Henry Muller, Jr..... <i>The Citadel.</i>	Dillon, S. C.....	Few Quadrangle, House GG.
Keith Millner Oliver..... <i>Virginia Polytechnic Institute.</i>	Lynnhaven, Va.....	Few Quadrangle, House GG.

<i>Name and Preparation</i>	<i>Home Address</i>	<i>University Address</i>
Robert James O'Mara..... <i>Duke University.</i>	Ashland, Ky.....	Few Quadrangle, House HH.
Clarence Eugene Peery..... <i>Emory and Henry College.</i>	Sprigg, W. Va.....	Few Quadrangle, House GG.
Victor Anthony Politano..... <i>Marshall College.</i>	Point Marion, Pa.....	University Apts., Durham, N. C.
Raymond Crawford Ramage..... <i>University of Florida.</i>	Jacksonville, Fla.....	Few Quadrangle, House GG.
John Garnett Ramsbottom..... <i>Wofford College.</i>	Spartanburg, S. C.....	Few Quadrangle, House GG.
Bernard Leonidas Rhodes, Jr..... <i>Marion Military Institute; Duke University.</i>	Live Oak, Fla.....	Few Quadrangle, House FF.
Millard McAdoo Riggs..... <i>Marshall College.</i>	Huntington, W. Va.....	University Apts., Durham, N. C.
Stanfield Rogers..... <i>Duke University.</i>	Dyersburg, Tenn.....	Few Quadrangle, House FF.
Otho Bescent Ross, Jr..... <i>University of North Carolina.</i>	Charlotte, N. C.....	Few Quadrangle, House GG.
Richard Allan Ruskin..... <i>Duke University.</i>	New Rochelle, N. Y.....	Few Quadrangle, House FF.
Robert Emmet Seibels, Jr..... <i>University of the South.</i>	Columbia, S. C.....	Few Quadrangle, House GG.
William Vance Singletary..... <i>University of North Carolina.</i>	Greensboro, N. C.....	Few Quadrangle, House GG.
George Washington Freeman Singleton..... <i>The Citadel; Duke University.</i>	Selma, Ala.....	Few Quadrangle, House GG.
Milton Crego Smith..... <i>University of Michigan.</i>	Ann Arbor, Mich.....	University Apts., Durham, N. C.
Harry Francis Steelman..... <i>Lenoir Rhyne College.</i>	Hickory, N. C.....	Few Quadrangle, House GG.
George Edward Thurman..... <i>Princeton University.</i>	Bronxville, N. Y.....	Few Quadrangle, House GG.
Walter Brown Watson..... <i>Duke University.</i>	Belleville, N. J.....	Few Quadrangle, House FF.
Donald Palmer White, Jr..... <i>St. Lawrence University; University of Alabama.</i>	Potsdam, N. Y.....	626 Swift Ave., Durham, N. C.
Margaret Wilson..... <i>Salem College.</i>	Raleigh, N. C.....	512 Watts Street, Durham, N. C.
Robert Walker Withers, IV..... <i>University of Florida.</i>	Tampa, Fla.....	Few Quadrangle, House GG.

SECOND YEAR

Ralph Parr Baker..... <i>Washington and Lee University.</i>	Newberry, N. C.....	1601 University Road, Durham, N. C.
Donald Gibson Bard, Jr..... <i>Duke University.</i>	Pleasantville, N. Y.....	Few Quadrangle, House GG.
John Lee Barrett..... <i>Duke University; University of Michigan.</i>	Grosse Point, Mich.....	Few Quadrangle, House GG.
Stephen Russell Bartlett, Jr..... <i>Trinity College (Hartford, Conn.)</i>	Hingham, Mass.....	Few Quadrangle, House HH.
Charles Leonard Benson..... <i>Muhlenberg College; Duke University.</i>	Tamaqua, Pa.....	Few Quadrangle, House GG.
Gustave Francis Bieber..... <i>Rutgers University.</i>	South River, N. J.....	2121 W. Pettigrew St., Durham, N. C.

<i>Name and Preparation</i>	<i>Home Address</i>	<i>University Address</i>
George Orion Boucher..... <i>University of California.</i>	Salt Lake City, Utah.....	808 Fifth St., Durham, N. C.
Clyde Owens Brindley..... <i>University of Texas.</i>	Temple, Texas.....	Few Quadrangle, House GG.
Norris Mervin Burleson..... <i>Duke University.</i>	Port Allegany, Pa.....	Few Quadrangle, House GG.
John Sinclair Campbell..... <i>University of Michigan.</i>	Manistee, Mich.....	Few Quadrangle, House GG.
Robert Monroe Campbell..... <i>Central College.</i>	Neosho, Mo.....	Duke University Road, Durham, N. C.
Leffie Mahon Carlton, Jr..... <i>John B. Stetson University;</i> <i>Duke University.</i>	Wauchula, Fla.....	Few Quadrangle, House FF.
George Judson Cooper, Jr..... <i>Albion College;</i> <i>Stanford University;</i> <i>Wayne University.</i>	Detroit, Mich.....	Few Quadrangle, House GG.
Archibald Nail Dawson..... <i>Duke University.</i>	Lakewood, Ohio....	Duke University Road, Durham, N. C.
Lucy Jane Gregory..... <i>Sweet Briar College.</i>	Rocky Mount, N. C....	Faculty Apts.-302, Durham, N. C.
Eugene Russell Griffith..... <i>Colorado University;</i> <i>Colorado College.</i>	Crowley, Colo.....	Few Quadrangle, House FF.
Matthew Hill Grimmitt..... <i>Vanderbilt University.</i>	McMinnville, Tenn.....	Few Quadrangle, House FF.
Walter Gordon Hackett..... <i>Vanderbilt University.</i>	Rome, Ga.....	Few Quadrangle, House FF.
Harold E. Harvey..... <i>Duke University.</i>	Sprague, W. Va.....	Few Quadrangle, House FF.
Watkins Proctor Harvey..... <i>Lynchburg College.</i>	Lynchburg, Va.....	Few Quadrangle, House GG.
Eleanor Jane Herring..... <i>Greensboro College;</i> <i>Guilford College.</i>	Roseboro, N. C.....	Faculty Apts.-302, Durham, N. C.
William Samuel Hooten..... <i>Lynchburg College.</i>	Lynchburg, Va.....	Few Quadrangle, House GG.
Henry Lee Howard..... <i>Duke University;</i> <i>University of South Carolina.</i>	Savannah, Ga.....	Few Quadrangle, House GG.
John Howard..... <i>Duke University.</i>	Savannah, Ga.....	Few Quadrangle, House GG.
Carter Wyckoff Howell..... <i>Harvard University;</i> <i>Knox College.</i>	Grinnell, Iowa.....	Few Quadrangle, House GG.
Roy Mason Kash..... <i>Sterling College.</i>	Omer, Ky.....	Few Quadrangle, House GG.
Anthony Vanderbilt Keese..... <i>Stanford University.</i>	Pasadena, Calif.....	University Apts., Durham, N. C.
Andrew Antonious Kerhulas..... <i>Wofford College.</i>	Union, S. C.....	208 Buchanan Road, Durham, N. C.
Samuel Rea Kilgore..... <i>The Citadel.</i>	Woodruff, S. C.....	Few Quadrangle, House GG.
Herbert Arthur King..... <i>University of Richmond.</i>	Peabody, Mass.....	Few Quadrangle, House GG.
John Albert Kneipp..... <i>Duke University.</i>	Washington, D. C.....	1007 Arnette Ave., Durham, N. C.
Lemuel Weyher Kornegay, Jr.... <i>Davidson College.</i>	Rocky Mount, N. C.....	Few Quadrangle, House FF.

<i>Name and Preparation</i>	<i>Home Address</i>	<i>University Address</i>
Edward David Levy..... <i>Harvard College;</i> <i>Duke University.</i>	West Hartford, Conn...	1010 Carolina Ave., Durham, N. C.
David Jay McCulloch..... <i>Ohio State University.</i>	East Liverpool, Ohio.....	Few Quadrangle, House HH.
Paul Robinson Massengill..... <i>Duke University;</i> <i>N. C. State College.</i>	Raleigh, N. C.....	University Apts., Durham, N. C.
Harry Stoll Mustard, Jr..... <i>The Johns Hopkins University;</i> <i>University of South Carolina.</i>	Boykin, S. C.....	Erwin Road, Durham, N. C.
Beatrice Hart Nahigian..... <i>Swarthmore College;</i> <i>University of Edinburgh.</i>	Durham, N. C.....	Few Farm, Durham, N. C.
Jack Harrell Neese..... <i>Elon College.</i>	Reidsville, N. C.....	Few Quadrangle, House GG.
William Irvin Neikirk..... <i>Duke University.</i>	Hagerstown, Md.....	Few Quadrangle, House FF.
Arthur Francis O'Keeffe..... <i>The Johns Hopkins University.</i>	Milton, Mass.....	University Apts., Durham, N. C.
John Frederick Ott..... <i>University of Cincinnati.</i>	Cincinnati, Ohio.....	Few Quadrangle, House HH.
John Dickinson Peck, Jr..... <i>Virginia Polytechnic Institute.</i>	Summersville, W. Va....	University Apts., Durham, N. C.
Maxine Roberta Perdue..... <i>Duke University.</i>	Canton, Ohio.....	Faculty Apts.-115, Durham, N. C.
William Anthony Peters, Jr..... <i>Duke University.</i>	Elizabeth City, N. C.....	Few Quadrangle, House FF.
Robert Lyons Picken..... <i>Washington State College.</i>	Tonasket, Wash.....	2002 Club Blvd., Durham, N. C.
Frank Earl Poole..... <i>West Virginia University.</i>	Clay, W. Va.....	Few Quadrangle, House GG.
Norman Wesley Rausch..... <i>Western Maryland College;</i> <i>Duke University.</i>	Maplewood, N. J.....	Few Quadrangle, House FF.
John Andrews Ritchie..... <i>Hampden-Sydney College;</i> <i>University of Virginia.</i>	Hardware, Va.....	Few Quadrangle, House HH.
Benjamin Franklin Roach..... <i>Duke University.</i>	Midway, Ky.....	Few Quadrangle, House GG.
Harold Francis Roma..... <i>St. John's Univ. Coll. of Pharmacy;</i> <i>Manhattan College.</i>	Brooklyn, N. Y.....	Few Quadrangle, House FF.
Robert Franklin Ruff..... <i>Pennsylvania State College.</i>	Jeannette, Pa.....	University Apts., Durham, N. C.
John Greateon Sellers..... <i>William and Mary College;</i> <i>Duke University.</i>	Norfolk, Va.....	Few Quadrangle, House GG.
Alfred Siege..... <i>College of the City of New York;</i> <i>Washington Square College.</i>	Brooklyn, N. Y.....	112 W. Trinity Ave., Durham, N. C.
Richard Hopkins Sinden..... <i>University of Florida.</i>	Dunedin, Fla.....	Few Quadrangle, House FF.
Walter Spaeth, Jr..... <i>Duke University.</i>	Southern Pines, N. C.....	University Apts., Durham, N. C.
Harlan Aljean Stiles..... <i>Marshall College.</i>	Huntington, W. Va.....	University Apts., Durham, N. C.
Eric Donald Thompson..... <i>Duke University;</i> <i>Harvard College.</i>	Montclair, N. J.....	Few Quadrangle, House GG.
Kearns Reid Thompson, Jr..... <i>Duke University.</i>	Reidsville, N. C.....	Few Quadrangle, House FF.

<i>Name and Preparation</i>	<i>Home Address</i>	<i>University Address</i>
Thomas Carter Van Arsdall..... <i>University of Michigan.</i>	Harrodsburg, Ky.....	Few Quadrangle, House GG.
Robert James Vanderlinde..... <i>Duke University.</i>	Rochester, N. Y.....	Few Quadrangle, House GG.
Garland Odell Wellman..... <i>Marshall College.</i>	Kenova, W. Va.....	University Apts., Durham, N. C.
William Harrison Williams, Jr..... <i>Wake Forest College.</i>	Charlotte, N. C.....	Few Quadrangle, House GG.
John McLean Wilson..... <i>The Citadel.</i>	Darlington, S. C.....	Few Quadrangle, House GG.
Marshall Wayne Woodard..... <i>Mars Hill College; Duke University.</i>	Asheville, N. C.....	University Apts., Durham, N. C.
Cabell Young, Jr..... <i>N. C. State College; Duke University.</i>	Charlotte, N. C.....	Few Quadrangle, House GG.

JUNIOR-SENIOR YEAR

Ellis Wentworth Adams (6/2/41)*	Ypsilanti, Mich.....	818 Second St., Durham, N. C.
Richard Haight Ames (12/21/40)	Onancock, Va.....	University Apts., Durham, N. C.
Kenward Oliver Babcock (12/21/40)	Ontario, Calif.....	Few Quadrangle, House FF.
William Edwin Baldwin, Jr. (6/8/42)	Dunn, N. C.....	500 Watts St., Durham, N. C.
Gareth Bonsack Barnes (12/21/40)	Elgin, Ill.....	Few Quadrangle, House GG.
Ralph Etheridge Baum (6/2/41) ..	Kitty Hawk, N. C.....	Few Quadrangle, House FF.
Steven I. Bednarz (6/2/41)	Wallington, N. J.....	2121 W. Pettigrew St., Durham, N. C.
Edward Perry Benbow, Jr. (12/21/40)	Greensboro, N. C.....	Few Quadrangle, House FF.
Emil Charles Beyer (6/2/41)	White Plains, N. Y.....	Few Quadrangle, House FF.
Boyd Black (6/8/42)	Mather, Pa.....	Few Quadrangle, House GG.
Albert Henry Bremer, Jr. (6/8/42)	Rochelle Park, N. J.....	Few Quadrangle, House GG.
Edwin Wells Brown (6/2/41)	Asheville, N. C.....	Few Quadrangle, House GG.
James Walter Brown, Jr. (3/15/41)	Gatesville, N. C.....	1515 W. Pettigrew St., Durham, N. C.

* The date in parentheses after a name indicates the time of completion of the medical course.

<i>Name and Preparation</i>	<i>Home Address</i>	<i>University Address</i>
Kenneth Brien Brown (6/2/41).. <i>Franklin and Marshall College.</i>	Montclair, N. J.....	Few Quadrangle, House FF.
Iverson Oakley Brownell (3/14/42)	Pasco, Wash.....	Few Quadrangle, Durham, N. C.
<i>Washington State College.</i>		
William Keefer Brumbach (3/15/41)	Belleville, N. J.....	1515 W. Pettigrew St., Durham, N. C.
<i>Duke University.</i>		
Walter Ellis Bryant (12/20/41).. <i>College of Charleston;</i> <i>Newberry College.</i>	Darlington, S. C.....	2412 Club Blvd., Durham, N. C.
Merwin Elliott Buchwald (12/20/41)	Brooklyn, N. Y.....	University Apts., Durham, N. C.
<i>Washington and Lee University.</i>		
George William Burch (6/8/42).. <i>University of Florida.</i>	Fort Lauderdale, Fla.....	Few Quadrangle, House GG.
Woodrow William Burgess (3/15/41)	Royal Oak, Mich.....	1609 Lakewood Ave., Durham, N. C.
<i>Duke University.</i>		
Clarence Cooper Butler (12/20/41)	Columbus, Ga.....	208 Buchanan Road, Durham, N. C.
<i>Vanderbilt University.</i>		
John Robert Clark, Jr. (6/8/42).. <i>Randolph-Macon College.</i>	Stuart, Va.....	Few Quadrangle, House FF.
Charles Stafford Clay (6/2/41).. <i>Duke University;</i> <i>University of Alabama Medical School.</i>	Ashland, Ky.....	818 Third St., Durham, N. C.
Joseph Henry Cutchin, Jr. (6/8/42)	Whitakers, N. C.....	Few Quadrangle, House FF.
<i>Davidson College.</i>		
Roy David Daniel (6/8/42)	Fort Meyers, Fla.....	Few Quadrangle, House GG.
<i>Florida Southern College;</i> <i>University of Florida.</i>		
Joseph Kalil David, Jr. (6/2/41).. <i>University of Florida.</i>	Jacksonville, Fla.....	Few Quadrangle, House FF.
William Arthur Dinsmore (12/20/41)	Heilwood, Pa.....	500 Watts St., Durham, N. C.
<i>Pennsylvania State College.</i>		
J. Harold Donaldson, Jr. (3/15/41)	Huntington, W. Va.....	818 Second St., Durham, N. C.
<i>Marshall College.</i>		
Hartwell Price Edwards (6/8/42)	Spartanburg, S. C.....	208 Buchanan Road, Durham, N. C.
<i>Wofford College.</i>		
John Robert Egan (12/20/41).... <i>Harvard College.</i>	Washington, D. C.....	Few Quadrangle, House FF.
Frederick Duncan Elliott (6/2/41)	Cloudersport, Pa.....	508 Buchanan Road, Durham, N. C.
<i>Dickinson College.</i>		
William Allen Exum (6/2/41).... <i>Davidson College;</i> <i>Duke University.</i>	Snow Hill, N. C.....	Few Quadrangle, House FF.
John Mellichamp Fearing (6/8/42)	Charleston, S. C.....	University Apts., Durham, N. C.
<i>College of Charleston;</i> <i>University of North Carolina.</i>		
Arthur Howard Flower, Jr. (6/8/42)	Dayton, Ohio.....	Few Quadrangle, House GG.
<i>Heidelberg College.</i>		

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<i>Name and Preparation</i>	<i>Home Address</i>	<i>University Address</i>
Joseph Armistead Ford, Jr. (6/8/42) <i>Lynchburg College;</i> <i>Virginia Military Institute.</i>	Lynchburg, Va.....	2602 Highland Ave., Durham, N. C.
Paul T. Forth (12/21/40)..... <i>University of Michigan.</i>	Rochester, N. Y.....	1011 Lamond Ave., Durham, N. C.
Elmer Thomas Gale (6/8/42).... <i>Duke University.</i>	Clinton, N. C.....	University Apts., Durham, N. C.
James S. Gilliam, Jr. (6/2/41)... <i>University of North Carolina.</i>	Elon College, N. C.....	901 Fifth St., Durham, N. C.
Stephen Arnold Ginn (12/21/40). <i>Duke University.</i>	Royston, Ga.....	Few Quadrangle, House GG.
Henry Boone Grant (12/21/40).. <i>University of North Carolina.</i>	Garysburg, N. C.....	Few Quadrangle, House FF.
Briant Bowman Guerin (6/2/41).. <i>Duke University.</i>	Mendham, N. J.....	Mt. Sinai Road, Durham, N. C.
Joe Frank Harris (6/8/42)..... <i>Duke University.</i>	Raleigh, N. C.....	Few Quadrangle, House FF.
Hubert B. Haywood, Jr. (3/15/41) <i>University of North Carolina.</i>	Raleigh, N. C.....	Erwin Apts., Durham, N. C.
John Roy Hege, Jr. (3/14/42).... <i>Salem College;</i> <i>Duke University.</i>	Winston-Salem, N. C.....	Few Quadrangle, House GG.
Donald Vincent Hirst (6/2/41).. <i>Duke University.</i>	Durham, N. C.....	1507 University Road, Durham, N. C.
Charles William Hock (6/2/41).. <i>Bluefield College;</i>	Bluefield, W. Va.....	Few Quadrangle, House FF.
Stephen Francis Horne (12/20/41) <i>Duke University.</i>	Farmington, N. C.....	208 Buchanan Road, Durham, N. C.
William Nolen Horsley (3/15/41) <i>Duke University.</i>	Belmont, N. C.....	Few Quadrangle, House FF.
Richard Carroll Irving (6/2/41).. <i>Muskingum College.</i>	Conneaut, Ohio.....	818 Third St., Durham, N. C.
Frank Randolph Johnston (6/8/42) <i>Presbyterian College.</i>	Greer, S. C.....	208 Buchanan Road, Durham, N. C.
Stanley Karansky (6/2/41)..... <i>Columbia University.</i>	Brooklyn, N. Y.....	Few Quadrangle, House GG.
William Hummel Karmany (6/2/41) <i>Gettysburg College;</i> <i>School of Hygiene and Public Health;</i> <i>The Johns Hopkins University.</i>	Hummelstown, Pa.....	Rollins Apts., Durham, N. C.
Herbert David Kerman (12/20/41) <i>Duke University.</i>	West Palm Beach, Fla.....	Few Quadrangle, House FF.
Charles Edward Kernodle, Jr. (6/8/42) <i>Elon College.</i>	Elon College, N. C.....	Few Quadrangle, House FF.
John Robert Kernodle (12/20/41) <i>Elon College.</i>	Burlington, N. C.....	214 Hargrove St., Durham, N. C.
John Franklin Kincaid, Jr. (6/8/42) <i>Hamden-Sydney College.</i>	Leesburg, Va.....	208 Buchanan Road, Durham, N. C.

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<i>Name and Preparation</i>	<i>Home Address</i>	<i>University Address</i>
William Baugher Kintzing (12/21/40) <i>Dickinson College.</i>	Hanover, Pa.....	University Apts., Durham, N. C.
Glen Augustus Kiser (6/2/41) <i>University of North Carolina.</i>	Bessemer City, N. C.....	Few Quadrangle, House FF.
Frank R. Ledesma-Diaz (6/8/42) .. <i>The Catholic University of America.</i>	San Juan, Puerto Rico....	Few Quadrangle, House FF.
Julian Carr Lentz, Jr. (6/8/42) .. <i>Duke University.</i>	Durham, N. C.....	1007 Lamond Ave., Durham, N. C.
James William Littler (6/8/42) .. <i>Duke University.</i>	Manlius, N. Y.....	Few Quadrangle, House GG.
Rudolph Powers McCulloch (12/20/41) <i>Michigan State Normal.</i>	Ypsilanti, Mich.....	1014 Lamond Ave., Durham, N. C.
Oscar Lee McFadyen, Jr. (12/21/40) <i>Duke University.</i>	Fayetteville, N. C.....	Few Quadrangle, House FF.
William Campbell McLain, Jr. (6/8/42) <i>Duke University; University of South Carolina.</i>	Columbia, S. C.....	500 Watts St., Durham, N. C.
Brita Rosenqvist McLean (6/8/42) <i>University of Pittsburgh.</i>	Oakmont, Pa.....	905 Sixth St., Durham, N. C.
I. William McLean, Jr. (6/8/42) .. <i>Davidson College.</i>	Kingston, Jamaica, B.W.I....	905 Sixth St., Durham, N. C.
Frank Rambo Mann (6/2/41) <i>University of Georgia.</i>	McRae, Ga.....	Duke University, House GG.
Archibald Graham McIlwaine Martin, III (12/21/40) <i>Randolph-Macon College; North Carolina State College; University of North Carolina.</i>	Suffolk, Va.....	508 Buchanan Road, Durham, N. C.
Theo Howell Mees (3/14/42) <i>Capital University; University of Maryland.</i>	Chevy Chase, D. C.....	University Apts., Durham, N. C.
Addison Lee Messer (12/21/40) .. <i>University of Florida.</i>	Tallahassee, Fla.....	Glenn Apts., Durham, N. C.
Muriel Meyers (6/2/41) <i>Hood College.</i>	Pittsburgh, Pa.....	1508 Alabama Ave., Durham, N. C.
Leon Howard Mims, Jr. (12/21/40) <i>The Citadel; University of South Carolina.</i>	Florence, S. C.....	Few Quadrangle, House FF.
David DeLeon Moise (6/8/42) ... <i>University of Maryland; Duke University.</i>	Sumter, S. C.....	Few Quadrangle, House GG.
Frank Theodore Moran (12/20/41) <i>Rutgers University; Vanderbilt University.</i>	Jersey City, N. J.....	208 Buchanan Road, Durham, N. C.
Edwin Hastings Mulford, II (12/21/40) <i>Duke University; Cornell University.</i>	Little Falls, N. Y.....	Few Quadrangle, House GG.
Iesse Phillip Muse (6/2/41) <i>Duke University.</i>	Savannah, Ga.....	Few Quadrangle, House GG.
Robert Glevé Neill (12/21/40) ... <i>Bakersfield Junior College; University of California.</i>	Bakersfield, Calif.....	802 Burch Ave., Durham, N. C.

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<i>Name and Preparation</i>	<i>Home Address</i>	<i>University Address</i>
William Reynolds Nesbitt, Jr. (6/8/42) <i>Williams Junior College; Duke University.</i>	Durham, N. C.....	2403 Club Blvd., Durham, N. C.
Earl Andrew O'Neill (6/8/42) ... <i>Springfield College.</i>	Plainfield, N. J.....	Few Quadrangle, House GG.
Olin Charles Perryman, Jr. (12/21/40) <i>University of North Carolina.</i>	Winston-Salem, N. C.....	Few Quadrangle, House FF.
Arnold Zachary Pfeffer (6/2/41). <i>City College of New York; University of Maryland.</i>	New York City.....	2110 Erwin Road, Durham, N. C.
Kenneth Arthur Podger (12/21/40) <i>Duke University.</i>	Kenmore, N. Y.....	Few Quadrangle, House FF.
Millard Pinson Quillian (6/2/41). <i>University of Florida; Western State Teachers College.</i>	Bradenton, Fla.....	1515 W. Pettigrew St., Durham, N. C.
Charles Hamilton Reid, Jr. (6/8/42) <i>Salem College; University of North Carolina.</i>	Winston-Salem, N. C....	University Apts., Durham, N. C.
Frank Newell Reimer (3/14/42) .. <i>Long Beach Junior College; Stanford University.</i>	Long Beach, Calif.....	University Apts., Durham, N. C.
James Franklin Reinhardt (12/20/41) <i>Davidson College.</i>	Lincolnton, N. C.....	University Apts., Durham, N. C.
Mila Elisabeth Rindge (12/21/40) <i>Connecticut College for Women.</i>	Madison, Conn.....	1417 W. Pettigrew St., Durham, N. C.
Robert Alfred Greer Ricketson (3/14/42) <i>Vanderbilt University.</i>	Braxton, Ga.....	University Apts., Durham, N. C.
Luther John Roberts, Jr. (6/8/42) <i>Georgia Military Academy; Washington and Lee University.</i>	Newnan, Ga.....	Few Quadrangle, House GG.
James Forbes Rogers (6/8/42) ... <i>Duke University.</i>	Upper Montclair, N. J....	Few Quadrangle, House FF.
Max Pritchard Rogers (6/8/42). <i>High Point College.</i>	Burlington, N. C.....	Few Quadrangle, House GG.
Eric Dutton Savage (3/15/41) ... <i>Harvard University.</i>	New York City.....	1022 Gloria Ave., Durham, N. C.
John Green Scott, Jr. (6/2/41) ... <i>Duke University; University of Pittsburgh.</i>	Tamqua, Pa.....	Few Quadrangle, House FF.
William Harrison Sellers (12/21/40) <i>Alabama Polytechnic Institute; Duke University.</i>	Anniston, Ala.....	500 Watts St., Durham, N. C.
Gardner Ford Smart (12/21/40). <i>Duke University.</i>	Troy, Ala.....	1022 Trinity Ave., Durham, N. C.
William Crenshaw Smith (6/8/42) <i>Randolph-Macon College.</i>	Creeds, Va.....	Few Quadrangle, House FF.
Paul DeLaine Snedegar (6/2/41) <i>Davis and Elkins College; University of Michigan.</i>	Elkins, W. Va.....	University Apts., Durham, N. C.

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<i>Name and Preparation</i>	<i>Home Address</i>	<i>University Address</i>
Richard Dean Snipes (6/8/42) ... <i>University of North Carolina.</i>	Hamlet, N. C.....	Few Quadrangle, House GG.
David Rodney Stack, Jr. (6/2/41) <i>Wofford College.</i>	Charleston, S. C.....	2110 Erwin Road, Durham, N. C.
Helen Starke (6/8/42)..... <i>Duke University.</i>	Ridgewood, N. J.....	1417 W. Pettigrew St., Durham, N. C.
Charles Clarence Stauffer (6/2/41) <i>Duke University.</i>	Washington, D. C.....	Few Quadrangle, House FF.
Gordon Conover Stenhouse (3/15/41) <i>New York University; University of North Carolina.</i>	Mt. Vernon, N. Y.....	University Apts., Durham, N. C.
John Thomas Stone (12/20/41) ... <i>The Citadel.</i>	Greenwood, S. C.....	Few Quadrangle, House GG.
William Conrad Stone (6/8/42) .. <i>Hampden-Sydney College.</i>	Roanoke, Va.....	Few Quadrangle, House GG.
John Mather Street (12/20/41) ... <i>Yale University.</i>	Manzanillo, Cuba.....	208 Buchanan Road, Durham, N. C.
Archie Reid Sutherland (6/8/42). <i>Duke University; Emory and Henry College.</i>	Sparta, Ill.....	Few Quadrangle, House GG.
George Foster Sutherland (6/8/42) <i>Duke University; Duke University Graduate School.</i>	Grundy, Va.....	Few Quadrangle, House FF.
Richard McCulloch Taliaferro (3/15/41) <i>Duke University.</i>	Columbia, S. C.....	Glenn Apts., Durham, N. C.
Ralph Gordon Templeton (6/8/42) <i>University of North Carolina.</i>	China Grove, N. C.....	906 Monmouth Ave., Durham, N. C.
Andrew Henry Thomas (6/8/42). <i>Roanoke College.</i>	New Britain, Conn.....	Few Quadrangle, House GG.
William Gilmore Thompson (12/21/40) <i>Duke University.</i>	Portland, Maine.....	Glenn Apts., Durham, N. C.
George Tudor Thornhill, Jr. (6/2/41) <i>Duke University.</i>	Bluefield, W. Va.....	500 Watts St., Durham, N. C.
Raymond Perle Thornhill (6/2/41) <i>University of Idaho.</i>	Kellogg, Idaho.....	Few Quadrangle, House GG.
Harold Bushman Thurston (6/8/42). <i>Duke University.</i>	Martinsburg, W. Va.....	Few Quadrangle, House FF.
Lloyd Flintom Timberlake (6/2/41) <i>Duke University; University of South Carolina.</i>	Columbia, S. C.....	500 Watts St., Durham, N. C.
James McKnight Timmons..... <i>Duke University; University of South Carolina.</i>	Columbia, S. C.....	Few Quadrangle, House FF.
Philip Cocke Trout (6/2/41)..... <i>University of Virginia.</i>	Roanoke, Va.....	500 Watts St., Durham, N. C.
Henry Lewis Valk (12/20/41) ... <i>University of North Carolina; University of Pennsylvania.</i>	Winston-Salem, N. C.....	Erwin Apts., Durham, N. C.

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<i>Name and Preparation</i>	<i>Home Address</i>	<i>University Address</i>
Harry Noble Vandegrift, Jr. (6/8/42) <i>University of Delaware.</i>	Elmhurst, Del.....	515 S. Duke St., Durham, N. C.
Harold Diederich von Glahn (6/8/42) <i>Duke University.</i>	Brooklyn, N. Y.....	Few Quadrangle, House FF.
Louis Charles Waller (6/8/42)... <i>Pennsylvania State College.</i>	Nanticoke, Pa.....	University Apts., Durham, N. C.
Don James Weekes (6/2/41)..... <i>Fresno State Teachers College; Stanford University.</i>	Fresno, Calif.....	2507 Chapel Hill Road, Durham, N. C.
Theodore Willard Weeks, Jr. (6/2/42) <i>University of Florida.</i>	Moore Haven, Fla.....	Few Quadrangle, House GG.
Richard Bidgood Whitaker, Jr. (12/21/40) <i>Duke University.</i>	Whiteville, N. C.....	Few Quadrangle, House GG.
Walter F. Whitt, Jr. (6/8/42).... <i>Catawba College.</i>	Salisbury, N. C.....	Few Quadrangle, House FF.
Walter LeRoy Widmark (12/21/40) <i>Duke University.</i>	Verona, N. J.....	1515 W. Pettigrew St., Durham, N. C.
Prentiss Willson, Jr. (12/21/40). <i>George Washington University; Pennsylvania State College.</i>	Washington, D. C.....	1006 Shepherd St., Durham, N. C.
George Ashby Winstead (6/2/41). <i>Wake Forest College.</i>	Rocky Mount, N. C.....	Few Quadrangle, House FF.
Charles Kenneth Wintrup 3/14/42) <i>University of Pennsylvania; University of Delaware.</i>	Wilmington, Del....	2109 Chapel Hill Road, Durham, N. C.
Harry Clyde Wortman, Jr. (6/8/42) <i>University of Tennessee.</i>	Belleville, N. J.....	Few Quadrangle, House GG.
(12/20/41)		
William Armand Wulfman <i>Marshall College.</i>	Huntington, W. Va.....	Few Quadrangle, House FF.

THE SCHOOL OF NURSING

SENIOR

Babb, Frances	McCranie, Aline
Bigler, Ouida	Mallory, Margaret
Brooke, Inez	Martin, Edrie
Bryant, Edith	Matheson, Deane
Bunch, Mary	Miller, Frances
Collins, Hallie Jo	Milton, Margaret
Darrough, Sara	O'Neal, Christine
Dugger, Carlotta	Reinhardt, Cynthia
Dulin, Margaret	Sowers, Lucy
Hartley, Lucy Dare	Steigleman, Betty
Deaton, Dorothy	Wade, Sarah
Horton, Theresa	Warren, Sue
Kale, Ella Ma	Whitener, Marion
Ledford, Rubye	Young, Helen Rose

JUNIOR

Alley, Charlotte
 Allred, Mary
 Ayers, Mary Elizabeth
 Bunn, Esper Nan
 Combs, Thelma Jeanne
 Cook, Clara Bert
 Cowan, Frances
 Curtis, Catherine
 Ellison, Ethel Merle
 Estes, Jeane
 Gaines, Dorothy Ann
 Garriss, Evelyn Grace
 Geckler, Ruth
 Gum, Margaret
 Harvin, Harriet Ann
 Jones, Helen Alison
 Kirkland, Sara
 Krebs, Gladys Luella
 Leatherwood, Elizabeth
 Letherman, Alice

Ligon, Martha
 Lingle, Dorothy Lee
 McCollum, Sara
 McCorkell, Jean Elizabeth
 Maxwell, LaVohn
 Misenheimer, Rachel
 Moore, Louise Harris
 Moore, Mary Alice
 Mortimer, Anne
 Poindexter, Kathaleen
 Poole, Carol
 Rutledge, Fannie
 Sheldon, Dorothy
 Slade, Lucy Tabor
 Smythe, Florrie
 Stone, June
 Weintz, Edith
 Whipple, Isabelle
 Wirt, Emma
 Wynne, Wilda

FRESHMAN

Adams, Katie
 Bain, Barbara
 Baker, Betty Belle
 Barickman, Martha
 Beaton, Frances
 Bickner, Dorothy
 Bowles, Josephine
 Boykin, Elizabeth
 Carter, Myrtle
 Chisholm, Carol
 Coggins, La Una
 Covington, Mildred
 Craddock, Alice
 Cutlip, Eleanor Lee
 Decker, Kathryn
 Fagg, Mary P.
 Farquhar, Mary
 Farrar, Mary Frances
 Fox, Irene C.
 Gambrell, Vivian E.
 Green, Mary
 Greene, Dorothy
 Greenlee, Helen
 Hallum, Fleda
 Harrison, Ethel F.
 Hartley, Jean
 Johnston, Deloris
 Keesee, Ellen

Kelly, Margaret
 Kniseley, Marjorie
 Lewis, Janice
 Lodge, Elizabeth
 Lyon, Frances
 Massenburg, Helen
 Meeks, Marian
 Melton, Iris
 Newman, Ruby
 Parker, Mary Virginia
 Peppler, Dorothy
 Pipkin, Celia Zoe
 Quattlebaum, Louise
 Reinhardt, Elizabeth
 Rose, Ernestine
 Santos, Elvin
 Sewell, Genevieve
 Sink, Charlene H.
 Smith, Jean Preston
 Stahl, Barbara B.
 Wall, Jessie M.
 Wells, Lela P.
 White, Mary Jane
 Whiteside, Kathleen
 Wright, Marybelle
 Wright, Ruby R.
 Yount, Kathryn

THE SCHOOL OF FORESTRY

REGULAR STUDENTS

Applequist, Martin Benjamin.....Council Bluffs, Iowa
 B.S., Iowa State College, 1940

HH-216

Baldwin, Alan Thorrestруп.....Wilmington, Del.
 (Candidate for B.S. degree, Duke University, 1941)

808 Third Street

Barney, Charles Wesley.....	Cuba, N. Y.	918 Urban Avenue
B.S., New York State College of Forestry, 1938		
M.S., University of Vermont, 1939		
Bew, James William.....	Margate City, N. J.	HH-313
(Candidate for B.S. degree, Duke University, 1941)		
Bigger, William Parker.....	Pyengyang, Korea, Japan	HH-219
B.S., Duke University, 1939		
Bjorson, Richard.....	Warren, Ohio	116 Buchanan Boulevard
B.S.F., University of Georgia, 1940		
Brabec, Joe M., Jr.....	Crete, Neb.	918 Urban Avenue
B.S., Colorado State College, 1938		
Davis, Richard Edwards.....	Greensboro, N. C.	HH-024
B.S.F., North Carolina State College, 1940		
Dunn, Willard Bruce.....	Kennerdell, Pa.	HH-218
B.S.F., North Carolina State College, 1940		
Ernst, William, Jr.....	Kansas City, Kan.	116 Buchanan Boulevard
B.S., Colorado State College, 1939		
Fillas, Theodore James.....	Lafayette, Colo.	918 Urban Avenue
B.S., Colorado State College, 1940		
Frazier, John Rhett.....	Blairs, S. C.	HH-219
B.C.E., Clemson Agricultural College, 1940.		
Gaiser, Richard Nicholson.....	Niagara Falls, N. Y.	HH-120
B.S., University of California, 1938		
Geltz, Charles Gottlieb.....	West Lafayette, Ind.	
	University Apts., N-1-A	
B.S.F., Pennsylvania State Forest School, 1924		
M.S., University of California, 1927		
Gira, Paul Ambrose.....	Custer, S. D.	918 Urban Avenue
B.S., Colorado State College, 1940		
Guerrant, William Hepbourne....	Callaway, Va.	HH-024
B.S., Pennsylvania State College, 1940		
Hagenstein, William David.....	Seattle, Wash.	2103 Huron Circle
B.S.F., University of Washington, 1938		
Heller, Robert Chester.....	East Orange, N. J.	HH-313
B.S., Duke University, 1940		
McClintick, Keith.....	Lapel, Ind.	1801 Lakewood Avenue
B.S.F., University of Georgia, 1940		
Moberg, Theodore Russell.....	Albuquerque, N. M.	2020 Huron Circle
B.A., University of Texas, 1936		
Morgan, Kenneth James.....	Albany, N. Y.	Duke University
B.S., Cornell University, 1934		
Petersen, William Bentz.....	Missoula, Mont.	1801 Lakewood Avenue
B.S.F., Montana State University, 1938		
Stiver, Edward Noble.....	Muncie, Ind.	HH-221
B.S.F., Purdue University, 1940		
Ward, Peter.....	Grosse Ile, Mich.	Swift Avenue
(Candidate for A.B. degree, Duke University, 1941)		
Watkins, Virgil Gray.....	Kent's Store, Va.	916 Buchanan Boulevard
B.S., University of Virginia, 1937		
Wellwood, Robert William.....	Victoria, B. C., Canada	Duke University
B.A.Sc., University of British Columbia, 1935		
M.F., Duke University, 1939		
White, Raymond Albert, Jr.....	Audubon, N. J.	Duke University
B.S., Pennsylvania State College, 1940		
Young, Harold Edle.....	Miami, Fla.	HH-220
B.S., University of Maine, 1937		
Total.....		28

PRE-FORESTRY SENIOR IN THE SCHOOL OF FORESTRY

Carr, Herbert.....	Newfane, N. Y.	V-05
<i>Total</i>		1

STUDENTS OF FORESTRY IN THE GRADUATE SCHOOL OF
ARTS AND SCIENCES

Bronson, Arthur Harold.....	Brooklyn, N. Y.	1103 Englewood Avenue
	B.S., New York State College of Forestry, 1940	
Jemison, George Meredith.....	Asheville, N. C.	University Apts., C-1-C
	B.S., University of Idaho, 1931	
	M.F., Yale University, 1936	
Kozlowski, Theodore Thomas.....	Buffalo, N. Y.	1103 Englewood Avenue
	B.S., New York State College of Forestry, 1939	
Massey, Calvin LeRoy.....	Wheatridge, Colo.	Duke University
	B.S., Colorado State College, 1939	
	A.M., Duke University, 1940	
<i>Total</i>		4

SUMMARY

GOVERNMENT, ADMINISTRATION, AND INSTRUCTION

Governing Boards	51
Trustees of Duke University	36
Trustees of Duke Endowment	15
Officers of Administration	70
The University	5
Trinity College, the Woman's College, the College of Engineering and the Schools	25
Assistants in Administration	40
Officers of Instruction	476*
Professors	107
Associate Professors	50
Assistant Professors	90
Instructors	138
Instructional Assistants	91**
Staff of University Libraries	65
TOTAL	662

STUDENTS

Trinity College	1,561
Seniors	317
Juniors	342
Sophomores	433
Freshmen	469
Woman's College	874
Seniors	201
Juniors	192
Sophomores	213
Freshmen	246
Special students	22
College of Engineering	238
The Graduate School of Arts and Sciences	1,218
(301 of these in regular academic year)	
The School of Law	108
First Year	37
Second Year	31
Third Year	35
Graduates	2
Special students	3

* Does not include visiting members of Summer School faculty.

** Does not include Graduate Assistants, Fellows and Scholars some of whom meet classes.

The School of Medicine	357
First Year	66
Second Year	65
Junior-Senior Year	131
Graduates (Internes and Residents)	95
The School of Nursing	123
Technicians	21
The School of Dietetics	6
The School of Religion	112
Seniors	42
Middle Year	28
Juniors	42
The School of Forestry	28
The Summer School (less duplicates)	2,457
Graduates, First Term	1,124
Graduates, Second Term	585
Undergraduates, First Term	734
Undergraduates, Second Term	293
Junaluska School of Religion, affiliated with Duke University	26
Summer Quarter, Schools of Medicine and Nursing includes special research students)	177
	<hr/>
Deduction for names appearing more than once	7,103
	<hr/>
Enrollment for 12 months' period	1,604
	<hr/>
Enrollment in academic year	5,499
	<hr/>
Enrollment in academic year	3,716

GIFT AND BEQUESTS

Duke University derives its principal support from endowment funds and from miscellaneous gifts and grants. Permanently invested capital funds enable the University to offer to students academic and professional training at a fraction of its actual cost. The effectiveness of the University is determined to a large extent by its financial resources.

Gifts and bequests devoted to the improvement of the work of the University will be received and administered by the trustees in accordance with the desires of the donor.

Gifts. Any kind of property, real or personal, may be the subject of a gift and only such form as is required to pass title is necessary. If the gift consists of real property, the title will be passed by deed; if it consists of cash or unregistered bonds, the gift is consummated by delivery of the property; or if stocks, by delivery of properly endorsed stock certificates. Unless restricted, the use of gifts is at the discretion of the Board of Trustees. Usually the proceeds, conservatively invested, are added to the permanent endowment of the University. The donor may, however, restrict the use of any gift and designate definitely the objects for which it shall be used. In such cases, the transfer of property would be accomplished by a letter or other document describing in detail the objects for which the proceeds of the gift are to be used and when accepted by the University the terms or conditions set out therein become binding upon it.

Bequests. Bequests may be made to the University by an appropriate clause inserted in a will or by codicil to a will already drawn. The following forms will serve as appropriate clauses for wills or codicils:

General

I give (devise; if real property) and bequeath to Duke University, a corporation existing under the laws of the State of North Carolina and located in the City and County of Durham, State of North Carolina, and its successors forever the sum of..... dollars (or otherwise describe the gift) for the general purposes and uses of the University at the discretion of the Board of Trustees.

Specific

I give (devise; if real property) and bequeath to Duke University, a corporation existing under the laws of the State of North Carolina and located in the City and County of Durham, State of North Carolina, or its successors forever, the sum of.....dollars (or otherwise describe gift) and direct that the income therefrom shall be used for the following purposes, viz. (here describe in detail the use desired).

Codicil

Having heretofore made my last Will and Testament dated....., and being of sound mind, I hereby make, publish, and declare the following codicil thereto; (here insert clause in same form as if it had been included in body of Will). Except as hereinbefore changed, I hereby ratify, confirm and republish my said last Will and Testament.

INDEX

- Accountancy, 81
- Administration, officers of, 23
 - business, 23
 - educational, 24
 - fellows and graduate assistants, 49
 - general, 23
 - instructional, 25
 - physical education and student health, 48
 - public relations and alumni affairs, 24
 - social and musical activities, 49
 - University Chapel, 48
 - university libraries, 45
- Admission, general regulations, 58, 122
 - by certificate, 58, 122
 - by examination, 59, 123
 - special students, 60, 124
 - to advanced standing, 59, 123
 - to colleges, 58, 122
 - units of, 58, 122
- Aeronautics, 128
- Alumnae Association, 143
 - council, 143
- Alumni Association, 143
 - council, 143
- Alumni Office, 143
 - Register*, 144
- American Literature*, 176
- Angier B. Duke Memorial Scholarships, 154
- Appointments Office, 144
- Assembly and class meetings, 137
- Assistants, 49
- Athletic Council, 138
- Avera Bible Lectures, The, 142
- Boarding accommodations, 149
- Board of Trustees of Duke Endowment, 22
- Board of Trustees of Duke University, 21
- Botany, 76
- Business administration, courses in, 80
- Bylaws of the University, 17
- Calendar, University, 5
 - 1941-42, 7
- Candidates for academic degrees, 136
- Character and Personality*, 176
- Charter, of the University, 15
- Chemistry, 78
- Civil engineering, 129
- Class standing, 135
- College of Engineering, The, 56
- Committees of the University trustees, 22
- Composition, deficiencies in, 136
- Contributions to Psychological Theory*, 176
- Course cards, 133
- Courses of instruction (Trinity College, the Woman's College, and the College of Engineering), 76, 129
 - accountancy, 81
 - American literature, 87
 - botany, 76
 - business administration, 80
 - chemistry, 78
 - civil engineering, 129
 - commerce and industry, 82
 - composition, 86
 - dramatics, 87
 - economics, 80
 - education, 83
 - electrical engineering, 130
 - engineering, 129
 - English, 86
 - fine arts, 89
 - forest botany, 77
 - forestry, 90
 - French, 113
 - geology, 91
 - German, 91
 - Greek, 93
 - health, 94
 - history, 96
 - hygiene, 96
 - Italian, 114
 - Latin, 99
 - law, 101
 - mathematics, 101
 - mechanical engineering, 131
 - music, 103
 - naval science and tactics, 119
 - philosophy, 104
 - physical education, 94
 - physics, 106
 - political science, 108
 - psychology, 110
 - religion, 111
 - Roman studies, 99
 - Romance languages, 113
 - sociology, 116
 - Spanish, 115
 - speech, 87
 - zoology, 117
- Dean's List, 137
- Degree, admission to candidacy for a graduate, 165
- Degrees, advanced, 169
- Degrees, conferred, 333
 - Bachelor of Arts, 334, 344
 - Bachelor of Divinity, 339
 - Bachelor of Laws, 339
 - Bachelor of Science, 337, 345
 - Diploma in Nursing, 340
 - Doctor of Juridical Science, 339
 - Doctor of Medicine, 339
 - Doctor of Philosophy, 340
 - Honorary, 345
 - Master of Arts, 338, 345
 - Master of Education, 338, 346
 - Master of Forestry, 338
 - Master of Laws, 339
- Degrees, requirements for
 - Bachelor of Arts, 61
 - Bachelor of Divinity, 216
 - Bachelor of Laws, 237
 - Bachelor of Science, 72
 - Bachelor of Science and Graduate in Nursing, 273
 - Bachelor of Science in Engineering, 125
 - Bachelor of Science in Medicine, 252
 - Doctor of Forestry, 286
 - Doctor of Juridical Science, 241
 - Doctor of Medicine, 253
 - Master of Forestry, 284
 - Master of Laws, 240
- Divinity School, 209
 - administration, educational, 211
 - administration, general, 211
 - admission, requirements for, 213
 - calendar, 210
 - courses of instruction, 218
 - Christian doctrine, 219
 - Church history, 219
 - history of religion and missions, 221
 - homiletics, 220
 - New Testament, 218

- Old Testament, 218
 philosophy of religion and Christian ethics, 222
 practical theology, 220
 psychology of religion, 221
 religious education, 221
 sociology, 222
 degree, Bachelor of Divinity, requirements for, 216
 degrees, advanced, 225
 fees, 224
 graduation, requirements for, 213
 historical statement, 212
 library, 225
 part-time schedules, 213
 preseminary curriculum, 214
 purpose of, 212
 student aid, 225
 thesis, 213
 Dormitories, 146, 148
Duke Mathematical Journal, 176
 Duke University Day, 142
 Duke University News Service, 144
 Duke University Press, 175
Duke University Research Studies in Education, 176

Ecological Monographs, 176
 Economics, 80
 Education, 83
 physical education, 94, 139
 Electrical engineering, 130
 Employment, 155
 Engineering, 129
 English, 86
 Enrollment, 133
 Examinations, 134
 Exclusion for failure, 135
 Expenses and fees, 145
 estimated for an academic year, 146

 Fees and expenses, 145
 Fellows, university, 49
 Fine arts, 89
 Flowers, John M., Lectures, 142
 Forestry, 90
 Forestry, The School of, 277
 administration, officers of, 279
 admission, requirements for, 283
 arboretum, 282
 calendar, 278
 committees, 279
 courses of instruction, 291
 Duke Forest, 281
 educational facilities, 280
 fees and expenses, 294
 fellowships, scholarships, and assistantships, 282
 forestry in the Graduate School, 289
 general statement, 280
 Fraternities, 159
 French, 113
 Freshman week, 60, 124
 Funds, loan, 154

 General fees, 145
 General statement, 56
 German, 91
 Gifts and bequests, 479
 Governing bodies and officers, 21
 Government, of Duke University, 14
 Grades, regulations regarding, 134
 Graduate School of Arts and Sciences, 161
 administration, officers of, 164
 admission, 165
 calendar, 162
 courses of instruction, 177
 botany, 179
 chemistry, 181
 economics, 182
 education, 184
 English, 187
 forest botany, 180
 forestry, 189
 French, 202
 German, 190
 Greek, 177
 history, 191
 Latin, 178
 mathematics, 193
 medicine, 206
 philosophy, 195
 physics, 197
 political science, 198
 psychology, 200
 religion, 200
 Romance languages, 202
 Sanskrit, 178
 Semitics, 179
 sociology, 203
 Spanish, 203
 zoology, 205
 Duke Forest, 174
 executive committee of the Graduate School Council, 164
 fellowships, scholarships, and assistantships, 168
 laboratories, 173
 libraries, 169
 registration, 166
 research, encouragement of, 175
 tuition and fees, 166
 Greek, 93
 Groups of studies for the degree of Bachelor of Arts, 63
 group I—general, 63
 group II—business administration, 64
 group III—religion, 65
 group IV—pre-medical, 65
 group V—college teaching, 66
 group VI—public school teaching, 66
 group VII—pre-legal, 68
 group VIII—social service, 68
 group IX—academic-law combination, 69
 group X—honors, 69
 Bachelor of Science, 73
 group I—general, 73
 group II—pre-forestry, 73
 Bachelor of Science in Engineering, 125
 group I—civil engineering, 125
 group II—electrical engineering, 126
 group III—mechanical engineering, 127

 Health, 94, 139
Hispanic American Historical Review, The, 176
 Historical sketch, brief, 9
 History, 96
 Honors and prizes, 156
 Honors, conferred, 333
 in departments and schools, 343
 in graduating class, 343
 Freshman, 344
 Junior, 344
 Sophomore, 344
 Honors Group, 69
 Hours of classwork, 135
 Hygiene, 96

 Indenture of Trust, 14
 Instructional staff, 25
 Italian, 114

- Junaluska School of Religion, 326
 admission, 328
 calendar, 328
 courses of instruction, 330
 credits, 327
 fees and expenses, 328
 hotels and boarding houses, 328
 instructors, 326
 registration, 328
- Laboratories, 173
 biological, 173
 chemical, 174
 medical, 174
 physical, 173
- Laboratory fees, 145
- Latin, 99
- Law, School of, 227
 administration, officers of, 229
 admission of students, 235
 admission, requirements for, 235
 admission to advanced standing, 235
 candidates for graduate degrees, 236
 combined course, 235
 awards, 233
 calendar, 228
 committee, 229
 courses offered, 242
 enrollment, 233
 fees and expenses, 233
 graduate work, 236, 240
 matriculation, 233
 Order of the Coif, 234
 organization, equipment, and special activities, 230
 building, 231
 clinic, legal aid, 231
 Duke Bar Association, 232
 history and organization, 230
 instruction, purposes and method of, 230
 library, 231
 periodicals, 232
 practice course, 231
 registration, 233
 requirements for degrees, 237
 Bachelor of Laws, 237
 Doctor of Juridical Science, 241
 Master of Laws, 240
 scholarships and student aids, 233
 student programs, 237
 first-year program, 237
 second- and third-year programs, 238
- Law and Contemporary Problems*, 232
- Laws regarding payments, 150
- Lectures, 142
 Avera Bible, 142
 Duke University Day, 142
 John McTyeire Flowers, 142
 Special, 175
 University, 142
- Libraries, 45, 57, 169, 272
 Divinity School, 225
 Law School, 48, 231
 Medical School, 48, 251
 University, 45
 Woman's College, 47
- Living accommodations, 146, 148
- Loan funds, 154
- Materials fees, 145
- Mathematics, 101
- Matriculation, 133
- Mechanical engineering, 131
- Medals and prizes, 156
- Medical care, 139
- Medicine, School of, 245
 administration, officers of, 247
 admission, requirements for, 252
 anesthesia, 250
 Bachelor of Science in Medicine, requirements for the degree of, 252
 calendar, 246
 curriculum, 264
 Dietetics, School of, 249
 Doctor of Medicine, requirements for the degree of, 253
 fees and expenses, 267
 fellowships, research, 268
 general statement, 248
 hospital, facilities of, 248
 hospital administration, 249
 instruction, departments of, 254
 anatomy, 254
 bacteriology and parasitology, 257
 biochemistry, 255
 legal medicine and toxicology, 263
 medicine, 257
 neuropsychiatry, 258
 obstetrics and gynecology, 262
 pathology, 256
 pediatrics, 262
 physiology, pharmacology, and nutrition, 256
 preventive medicine and public health, 263
 radiology, 262
 surgery, 259
 internships and residencies, 251
 library, 251
 laboratory technique. course in, 250
 loan funds, Angier B. Duke Memorial and others, 267
 medical social service, 250
 Nursing, School of, 249
 postgraduate study, 250
 record library, 250
- Minimum uniform requirements for all groups, 62, 72
- Music, 103
- Naval science and tactics, 119
- Nursing, School of, 249, 269
 activities offered, 272
 administration, officers of, 271
 admission requirements, 273
 calendar, 270
 courses, 274
 curriculum, 275
 expenses, 273
 facilities for instruction, 272
 health, 272
 libraries, 272
 physical education, 272
 readmission, 273
 residence, 272
 scholarships, 273
 vacations, 273
- Officers of administration, 23
- Papers of the Trinity College Historical Society*, 175
- Philosophy, 104
- Physical education, 48, 94, 139
- Physics, 106
- Political science, 108
- Pre-forestry, 73
- Pre-legal, 68
- Pre-medical, 65
- Psychology, 110
- Public school teaching, 66
- Publications council, 141
- Quality-Point System, explanation of, 135

- Registration, 133
- Regulations, general, for Bachelor of Arts degree, 58
 - Bachelor of Science degree, 72
 - governing athletic and other eligibility, 138
 - regarding class standing, 135
 - regarding dormitories, 147
 - regarding exclusion for failure, 135
 - regarding grades, 134
 - regarding public lectures and other occasions, 139
- Religious exercises, 141
- Research, encouragement of, 175
- Sabbatical leave, 20
- Scholars, graduate, 53
- Scholarship regulations for athletic and other organizations, 138
- Scholarships and other sources of aid, 151
- Scholarships, special endowed, 151
- Senior work, 135
- Social service, 68
- Sociology, 116
- Sororities, 159
- South Atlantic Quarterly, The*, 175
- Southern Association Quarterly, The*, 176
- Spanish, 115
- Special students, admission of, 60, 124
- Student organizations and activities, 159
- Students, roll of, 347
 - College of Engineering, 389
 - Divinity School, 453
 - Graduate School of Arts and Sciences, 393
 - Junaluska School of Religion, 457
 - School of Forestry, 474
 - School of Law, 458
 - School of Medicine, 462
 - School of Nursing, 473
 - Summer School, 404
 - Trinity College, 347
 - Woman's College, 374
- Summary, 477
- Summer School, The, 295
 - administration, officers of, 296
 - admission, 305
 - courses of instruction, 311
 - biology, 311
 - botany, 311
 - chemistry, 312
 - economics, 312
 - education, 313
 - engineering, 318
 - English, 318
 - forestry, 319
 - French, 319
 - geography, 320
 - geology, 320
 - German, 320
 - government, 320
 - Greek literature, 320
 - history, 320
 - mathematics, 321
 - music, 322
 - physics, 322
 - political science, 322
 - psychology, 323
 - religion, 323
 - sociology, 324
 - Spanish, 324
 - zoology, 325
 - credits, 305
 - enrollment, 305
 - examinations, 306
 - faculty, 297
 - fees, 310
 - new requirements for Master's degrees, 307
 - thesis writing, 309
- Teachers taking college courses, 167
- Transcripts, 150
- Trinity College, 56
- Trustees of Duke Endowment, 22
- Trustees of Duke University, 21
- Undergraduate Colleges, 55
- Undergraduate scholarships, 151
- Uniform requirements for all groups, 62, 72
- Units of admission, 58, 122
- University calendar, 5
 - fellows, 49
 - lectures, 142
 - libraries, 45, 57
 - press, 175
- Woman's College, 56, 58
 - library, 47
- Zoology, 117

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